ORDER No. ACED031221C7

C4

# Service Manual

## AUTOMOTIVE AFTERMARKET

COMPACT disc DIGITAL AUDIO TEXT  WMA  MP3

## CQ-C3400U / CQ-C3300U / CQ-C3200U / CQ-C3100U

### Removable Full Front MP3 WMA CD Player / Receiver with CD Changer Control

(CQ-C3400U)

## SPECIFICATIONS

**Specifications***

| | |
|---|---|
| **General** | |
| Power Supply | DC 12V (11V - 16V),<br>Test Voltage 14.4V<br>Negative Ground |
| Current Consumption | Less than 2.2A / (CD mode ;<br>0.5W 4-speaker) |
| Maximum Power Output | 50W×4ch (at 1kHz) |
| Tone Adjustment Range | Bass ; ±12dB at 100Hz<br>Treble ; ±12dB at 10kHz |
| Speaker Impedance | 4-8 Ω |
| Pre-Amp Output Voltage | 2.5V (CD mode ; 1kHz 0dB) |
| Pre-Amp Output Impedance | 200 Ω |
| <CQ-C3200U/CQ-C3400U> | |
| Subwoofer output voltage | 2.5V |
| Subwoofer output impedance | 200 Ω |
| **FM Stereo Radio** | |
| Frequency Range | 87.9MHz - 107.9MHz |
| Usable Sensitivity | 10.2dBf. (0.9 μ V, 75 Ω) |

| | |
|---|---|
| **Stereo Separation** | **35dB (1kHz)** |
| **Signal to Noise Ratio** | **62dB** |
| | |
| **AM Radio** | |
| **Frequency Range** | **530 - 1,710kHz** |
| **Usable Sensitivity** | **27dB/ μ V (11V, S/N 20dB)** |
| | |
| **CD Player** | |
| **Sampling Frequency** | **8 Times Oversampling** |
| **DA Converter** | **4 DAC System** |
| **Pick-Up Type** | **Astigma 3-beam** |
| **Light Source** | **Semiconductor Laser** |
| **Wavelength** | **780nm** |
| **Frequency Response** | **20Hz to 20,000Hz (±1dB)** |
| **Signal to Noise Ratio** | **96dB** |
| **Total Harmonic Distortion** | **0.01%(1kHz)** |
| **Wow and Flutter** | **Below measurable limits** |
| **Channel Separation** | **75dB** |
| | |
| **Dimensions**** | **7"×1-15/16"×6-1/8" / (178mm× 50mm×155mm)** |
| **Weight**** | **3lbs. 1oz (1.4kg)** |

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

**-Above specifications comply with EIA standards.**

**⚠ WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

**IMPORTANT SAFETY NOTICE**

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

# 1. ABOUT LEAD FREE SOLDER (PbF)

**Distinction of PbF PCB:**

**PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.**

**Caution :**

**- Pb free solder has a higher melting point than standard solder;**

**Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.**

**- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)**

**- This lead free solder will be used for the products after serial No. 1,000,001.**

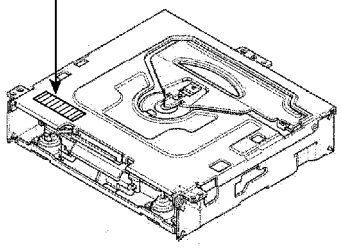
# 2. LASER PRODUCTS

**CAUTION:**

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

**DANGER!** Visible and invisible laser radiation when open. Avoid direct exposure to beam.



Deck Ass'y (Upper Side)

**Caution**
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

# 3. FEATUERS

**- Digital servo for reliable playback.**

**- PLL (Phase Locked Loop) synthesized tuning.**

**- 18-FM, 6-AM presets with preset scan.**

**- CD Changer Control**

**- Removable face plate.**

**- MP3/WMA Playback from CD-R/RW. (CQ-C3300U, CQ-C3400U)**

● The differences among these models are mentioned below.

| Features \ Models | CQ-C3400U | CQ-C3300U | CQ-C3200U | CQ-C3100U |
|---|---|---|---|---|
| MP3/WMA playback | Yes | Yes | None | None |
| CD text display | Yes | Yes | None | None |
| Subwoofer output | Yes | None | Yes | None |
| Subwoofer low pass filter setting | 80 Hz/120 Hz | None | None | None |

This can only be controlled through **the main unit.**

This can only be controlled through **the remote control unit.**

Operations with neither mark can be performed either by the main unit or the remote control unit.

Indicates features applicable to

CQ-C3400U CQ-C3400U only.

CQ-C3300U CQ-C3300U only.

CQ-C3200U CQ-C3200U only.

CQ-C3100U CQ-C3100U only.

# 4. REPLACING THE FUSE

**Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.**

# 5. MAINTENANCE

**Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.**

# 6. NOTES

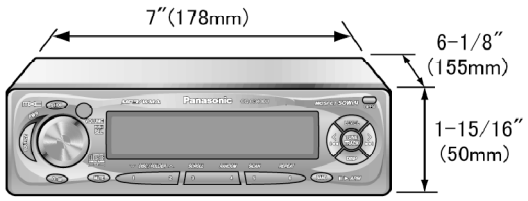
**[RADIO BLOCK]**

**Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.**

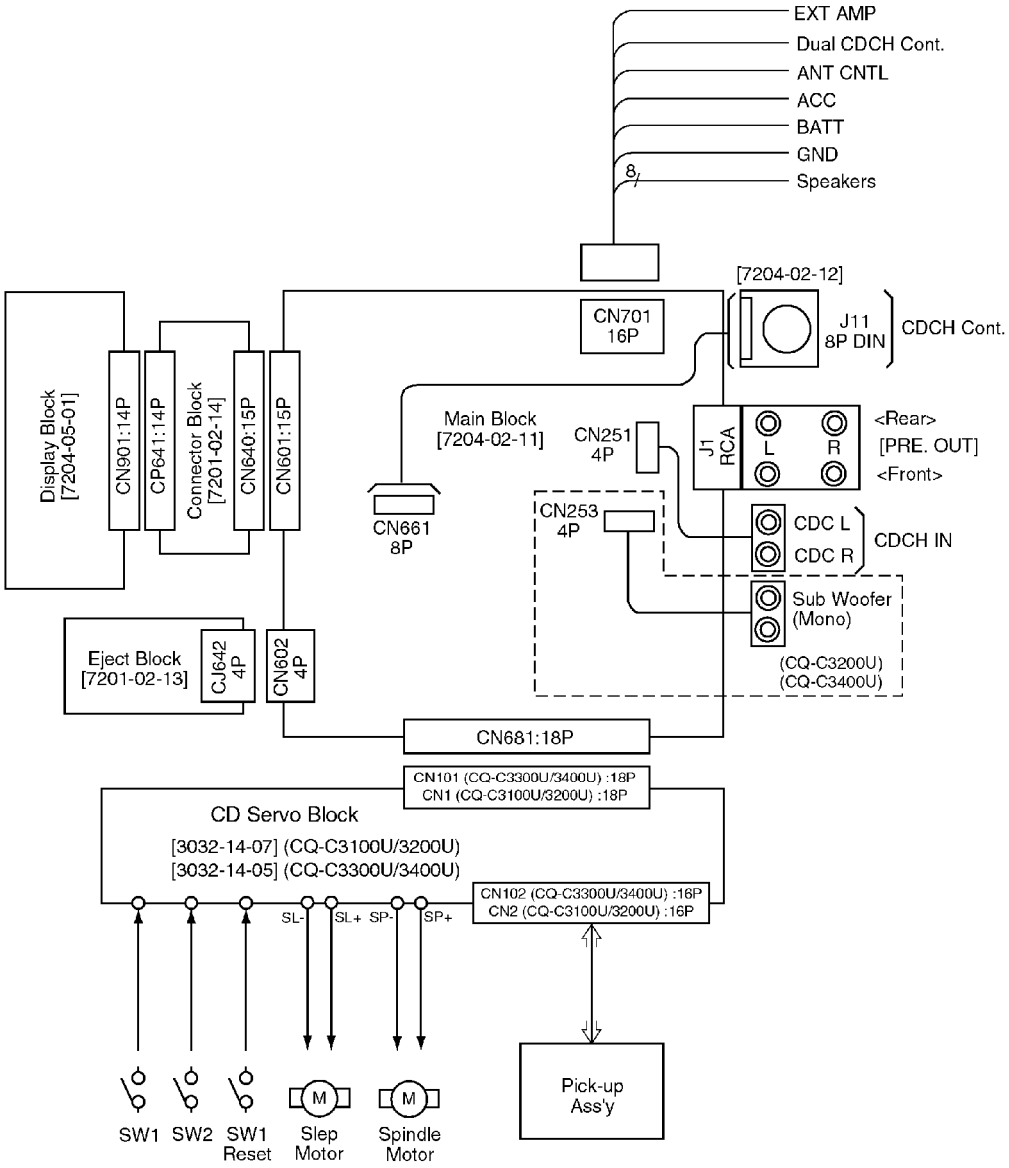
**[CD DECK BLOCK]**

**This model has no servo alignment points because microcomputer controls the servo circuit.**

# 7. DIMENSIONS




# 8. WIRING CONNECTION




# 9. TERMINALS DESCRIPTION

## 9.1. Main Block

**IC601 : YESAM230 [CQ-C3300U/CQ-C3400U]**

| Pin No. | Port | Description | I/O | (V) | | |
|---|---|---|---|---|---|---|
| | | | | FM | AM | CD |
| 1 | CH SENS | CD changer detect | I | 5.0 | 5.0 | 5.0 |
| 2 | SD/ST | Radio station detect | I | 5.0 | 5.0 | 5.0 |
| 3 | EJECT | Eject SW | I | 5.0 | 5.0 | 5.0 |
| 4 | AVSS | Ground | - | 0 | 0 | 0 |
| 5 | EXT.MUTE | External mute | O | 5.0 | 5.0 | 5.0 |
| 6 | CDC 1/2 | (Ground pull down) | - | 5.0 | 5.0 | 5.0 |
| 7 | AVREF1 | (Conecting to +5V) | - | 5.0 | 5.0 | 5.0 |
| 8 | SUB SO | LCD data | I | 5.0 | 5.0 | 5.0 |
| 9 | LCD DI | LCD data | O | 5.0 | 5.0 | 5.0 |
| 10 | SUB SI | LCD clock | O | 5.0 | 5.0 | 5.0 |
| 11 | CDC DATA | CD Changer data | O | 0 | 0 | 0 |
| 12 | CD OSC STP | CD OSC stop | O | 5.2 | 5.2 | 0 |
| 13 | CH CLK | (Ground pull down) | - | 0 | 0 | 0 |
| 14 | CDC REM | CD Changer remote control data | O | 5.2 | 5.2 | 5.2 |
| 15 | BZ OUT | Buzzer signal output | O | 0 | 0 | 0 |
| 16 | CD SO | CD data output | I | 5.0 | 5.0 | 0 |
| 17 | CD SI | CD data input | O | 0 | 0 | 3.3 |
| 18 | CD SCK | CD clock | O | 5.2 | 5.0 | 5.0 |
| 19 | LCD CE | LCD chip enable | O | 0 | 0 | 0 |
| 20 | CD RST | CD reset | O | 0 | 0 | 5.2 |
| 21 | AMP CNT | Amp control signal | O | 5.2 | 5.1 | 5.2 |
| 22 | ANT CNT | ANT control signal | O | 5.2 | 5.2 | 0 |
| 23 | AMP MUTE | Amp mute control | O | 5.2 | 5.2 | 5.2 |
| 24 | CD STB | CD strobe | O | 0 | 0 | 4.6 |
| 25 | CD A0 | CD A0 | O | 0 | 0 | 5.0 |
| 26 | NC | - | - | - | - | - |
| 27 | NC | - | - | - | - | - |
| 28 | NC | - | - | - | - | - |
| 29 | NC | - | - | - | - | - |
| 30 | NC | - | - | - | - | - |
| 31 | NC | - | - | - | - | - |
| 32 | NC | - | - | - | - | - |
| 33 | VSS1 | Ground | - | 0 | 0 | 0 |
| 34 | NC | - | - | - | - | - |
| 35 | NC | - | - | - | - | - |
| 36 | SCL | Audio control serial clock | O | 5.2 | 5.2 | 5.2 |
| 37 | SDA | Audio control data | O | 5.2 | 5.2 | 5.2 |
| 38 | S LED | S LED drive signal | O | 0 | 0 | 0 |

| Pin No. | Port | Description | I/O | (V) | | |
|---|---|---|---|---|---|---|
| | | | | FM | AM | CD |
| 39 | EJ ILL | Eject Led drive signal | O | 5.2 | 5.2 | 5.2 |
| 40 | NC | - | - | - | - | - |
| 41 | PLL DI | PLL data | O | 0 | 0 | 0 |
| 42 | PLL DO | PLL data | I | 5.0 | 5.0 | 5.0 |
| 43 | PLL CLK | PLL data clock | O | 5.2 | 5.2 | 5.2 |
| 44 | PLL CE | PLL chip select | O | 0 | 0 | 0 |
| 45 | ROM CS | (+5V pull up) | - | - | - | - |
| 46 | PANEL | Panel switch signal | I | 0 | 0 | 0 |
| 47 | OP/CL | Open/close detect | I | 5.1 | 5.1 | 5.1 |
| 48 | LCD5V CNT | LCD 5V control | O | 0 | 0 | 0 |
| 49 | EEPROM DI (NC) | - | - | - | - | - |
| 50 | EEPROM SK (NC) | - | - | - | - | - |
| 51 | DIM1 | (Ground pull down) | - | 0 | 0 | 0 |
| 52 | DIM2 | (Ground pull down) | - | 0 | 0 | 0 |
| 53 | EEPROM DO (NC) | (Ground pull down) | - | - | - | - |
| 54 | AF MUTE | Audio mute signal | O | 5.0 | 5.0 | 5.0 |
| 55 | INV CNT | Inverter control | O | 5.0 | 5.0 | 5.0 |
| 56 | CD CNT | CD power control | O | 0 | 0 | 0 |
| 57 | MAIN CONT | Main power control | O | 5.0 | 5.0 | 5.0 |
| 58 | SW CNT | Sub Woofer control | O | - | - | - |
| 59 | RDS DATA (NC) | - | - | - | - | - |
| 60 | RESET | System reset | I | 5.0 | 5.0 | 5.0 |
| 61 | RM DATA | Remote control data | I | 5.0 | 5.0 | 5.0 |
| 62 | BATT | Battery detekut | I | 5.2 | 5.2 | 5.2 |
| 63 | RDS CLK (NC) | - | - | - | - | - |
| 64 | CDC STB | (Ground pull down) | - | 0 | 0 | 0 |
| 65 | ROTARY 1 | Rotary encoder input 1 | I | 5.0 | 5.0 | 5.0 |
| 66 | ROTARY 2 | Rotary encoder input 2 | I | 5.0 | 5.0 | 5.0 |
| 67 | VSS0 | Ground | - | 0 | 0 | 0 |
| 68 | VDD1 | +5V power supply | - | 5.2 | 5.2 | 5.2 |
| 69 | X2 | Crystal oscillator | - | 3.0 | 3.0 | 3.0 |
| 70 | X1 | Crystal oscillator | - | 2.5 | 2.5 | 2.5 |
| 71 | TEST | (Test terminal) | - | 0 | 0 | 0 |
| 72 | XT2 | Crystal oscillator | - | 2.9 | 2.9 | 2.9 |

| Pin No. | Port | Description | I/O | (V) | | |
|---|---|---|---|---|---|---|
| | | | | FM | AM | CD |
| 73 | XT1 | Crystal oscillator | - | 2.6 | 2.6 | 2.6 |
| 74 | VDD0 | +5V power supply | - | 5.2 | 5.2 | 5.2 |
| 75 | AVDD | +6V power supply | - | 5.2 | 5.2 | 5.2 |
| 76 | VSM | VSM | I | 0 | 0 | 0 |
| 77 | ACC | ACC detect | I | 4.8 | 4.8 | 4.8 |
| 78 | INIT/B | (+5V pull up) | - | 5.0 | 5.0 | 5.0 |
| 79 | SPEANA AIN | (Ground pull down) | - | 0 | 0 | 0 |
| 80 | LEVEL L | Level in | I | 0 | 0 | 0.5 |

**IC601 : YESAM231 [CQ-C3100U/CQ-C3200U]**

| Pin No. | Port | Description | I/O | (V) | | |
|---|---|---|---|---|---|---|
| | | | | FM | AM | CD |
| 1 | CH SENS | CD changer detect | I | 5.0 | 5.0 | 5.0 |
| 2 | SD/ST | Radio station detect | I | 5.0 | 5.0 | 5.0 |
| 3 | EJECT | Eject SW | I | 5.0 | 5.0 | 5.0 |
| 4 | AVSS | Ground | - | 0 | 0 | 0 |
| 5 | EXT.MUTE | External mute | O | 5.0 | 5.0 | 5.0 |
| 6 | CDC 1/2 | (Ground pull down) | - | 5.0 | 5.0 | 5.0 |
| 7 | AVREF1 | (Conecting to +5V) | - | 5.0 | 5.0 | 5.0 |
| 8 | SUB SO | LCD data | I | 5.0 | 5.0 | 5.0 |
| 9 | LCD DI | LCD data | O | 5.0 | 5.0 | 5.0 |
| 10 | SUB SI | LCD clock | O | 5.0 | 5.0 | 5.0 |
| 11 | CDC DATA | CD Changer data | O | 0 | 0 | 0 |
| 12 | CD OSC STP | CD OSC stop | O | 5.2 | 5.2 | 0 |
| 13 | CH CLK | (Ground pull down) | - | 0 | 0 | 0 |
| 14 | CDC REM | CD Changer remote control data | O | 5.2 | 5.2 | 5.2 |
| 15 | BZ OUT | Buzzer signal output | O | 0 | 0 | 0 |
| 16 | CD SO | CD data output | I | 5.0 | 5.0 | 0 |
| 17 | CD SI | CD data input | O | 0 | 0 | 3.3 |
| 18 | CD SCK | CD clock | O | 5.2 | 5.0 | 5.0 |
| 19 | LCD CE | LCD chip enable | O | 0 | 0 | 0 |
| 20 | CD RST | CD reset | O | 0 | 0 | 5.2 |
| 21 | AMP CNT | Amp control signal | O | 5.2 | 5.1 | 5.2 |
| 22 | ANT CNT | ANT control signal | O | 5.2 | 5.2 | 0 |
| 23 | AMP MUTE | Amp mute control | O | 5.2 | 5.2 | 5.2 |
| 24 | CD STB | CD strobe | O | 0 | 0 | 4.6 |
| 25 | CD A0 | CD A0 | O | 0 | 0 | 5.0 |

| Pin No. | Port | Description | I/O | (V) | | |
|---|---|---|---|---|---|---|
| | | | | FM | AM | CD |
| 26 | CD RFOK | RF OK signal | I | 0 | 0 | 5.0 |
| 27 | CD LOCK | CD lock signal | I | 0 | 0 | 5.0 |
| 28 | CD LIMIT | CD limit switch signal | I | 0 | 0 | 5.0 |
| 29 | CD SW1 | CD SW1 | | 0 | 0 | 0 |
| 30 | CD SW2 | CD SW2 | I | 5.0 | 5.0 | 0 |
| 31 | NC | - | - | - | - | - |
| 32 | NC | - | - | - | - | - |
| 33 | VSS1 | Ground | - | 0 | 0 | 0 |
| 34 | NC | - | - | - | - | - |
| 35 | NC | - | - | - | - | - |
| 36 | SCL | Audio control serial clock | O | 5.2 | 5.2 | 5.2 |
| 37 | SDA | Audio control data | O | 5.2 | 5.2 | 5.2 |
| 38 | S LED | S LED drive signal | O | 0 | 0 | 0 |
| 39 | EJ ILL | Eject Led drive signal | O | 5.2 | 5.2 | 5.2 |
| 40 | NC | - | - | - | - | - |
| 41 | PLL DI | PLL data | O | 0 | 0 | 0 |
| 42 | PLL DO | PLL data | I | 5.0 | 5.0 | 5.0 |
| 43 | PLL CLK | PLL data clock | O | 5.2 | 5.2 | 5.2 |
| 44 | PLL CE | PLL chip select | O | 0 | 0 | 0 |
| 45 | ROM CS | (+5V pull up) | - | - | - | - |
| 46 | PANEL | Panel switch signal | I | 0 | 0 | 0 |
| 47 | OP/CL | Open/close detect | I | 5.1 | 5.1 | 5.1 |
| 48 | LCD5V CNT | LCD 5V control | O | 0 | 0 | 0 |
| 49 | EEPROM DI (NC) | - | - | - | - | - |
| 50 | EEPROM SK (NC) | - | - | - | - | - |
| 51 | DIM1 | (Ground pull down) | - | 0 | 0 | 0 |
| 52 | DIM2 | (Ground pull down) | - | 0 | 0 | 0 |
| 53 | EEPROM DO (NC) | (Ground pull down) | - | - | - | - |
| 54 | AF MUTE | Audio mute signal | O | 5.0 | 5.0 | 5.0 |
| 55 | INV CNT | Inverter control | O | 5.0 | 5.0 | 5.0 |
| 56 | CD CNT | CD power control | O | 0 | 0 | 0 |
| 57 | MAIN CONT | Main power control | O | 5.0 | 5.0 | 5.0 |
| 58 | NC | - | - | - | - | - |

| Pin No. | Port | Description | I/O | (V) | | |
|---|---|---|---|---|---|---|
| | | | | FM | AM | CD |
| 59 | RDS DATA (NC) | - | - | - | - | - |
| 60 | RESET | System reset | I | 5.0 | 5.0 | 5.0 |
| 61 | RM DATA | Remote control data | I | 5.0 | 5.0 | 5.0 |
| 62 | BATT | Battery detekut | I | 5.2 | 5.2 | 5.2 |
| 63 | RDS CLK (NC) | - | - | - | - | - |
| 64 | CDC STB | (Ground pull down) | - | 0 | 0 | 0 |
| 65 | ROTARY 1 | Rotary encoder input 1 | I | 5.0 | 5.0 | 5.0 |
| 66 | ROTARY 2 | Rotary encoder input 2 | I | 5.0 | 5.0 | 5.0 |
| 67 | VSS0 | Ground | - | 0 | 0 | 0 |
| 68 | VDD1 | +5V power supply | - | 5.2 | 5.2 | 5.2 |
| 69 | X2 | Crystal oscillator | - | 3.0 | 3.0 | 3.0 |
| 70 | X1 | Crystal oscillator | - | 2.5 | 2.5 | 2.5 |
| 71 | TEST | (Test terminal) | - | 0 | 0 | 0 |
| 72 | XT2 | Crystal oscillator | - | 2.9 | 2.9 | 2.9 |
| 73 | XT1 | Crystal oscillator | - | 2.6 | 2.6 | 2.6 |
| 74 | VDD0 | +5V power supply | - | 5.2 | 5.2 | 5.2 |
| 75 | AVDD | +6V power supply | - | 5.2 | 5.2 | 5.2 |
| 76 | VSM | VSM | I | 0 | 0 | 0 |
| 77 | ACC | ACC detect | I | 4.8 | 4.8 | 4.8 |
| 78 | INIT/B | (+5V pull up) | - | 5.0 | 5.0 | 5.0 |
| 79 | SPEANA AIN | (Ground pull down) | - | 0 | 0 | 0 |
| 80 | LEVEL L | Level in | I | 0 | 0 | 0.5 |

## 9.2. Display Block

**IC901 : YEAMLC75854T**

| Pin No. | Port | Description | I/O | (V) |
|---|---|---|---|---|
| 1 | P1 (NC) | - | - | - |
| 2 | S2/P2 (NC) | - | - | - |
| 3-39 | S3-39 | LCD segment data | O | 2.5 |
| 40-43 | COM1-4 | LCD common | O | 2.5 |
| 44,45 | KS1, 2 | Not used | - | - |
| 46-49 | KS3-6 | Key strobe | O | 5.0 |
| 50-54 | KI1-5 | Key data | I | 0 |
| 55 | TEST | (Connecting to ground) | - | 0 |
| 56 | VDD | +5V power supply | - | 5.0 |
| 57 | VDD1 | VDD1 filter terminal | - | 3.3 |
| 58 | VDD2 | VDD2 filter terminal | - | 1.7 |
| 59 | VSS | Ground | - | 0 |
| 60 | OSC | Oscillator terminal | - | 5.0 |
| 61 | DO | Key data output | O | 5.0 |
| 62 | CE | LCD driver chip enable | I | 0 |
| 63 | CLK | LCD clock | I | 5.0 |
| 64 | DI | LCD data | I | 5.0 |

## 9.3. CD Servo Block / [CQ-C3400U/CQ-C3300U]

**IC401 : YESAM176**

| Pin No. | Port | Descriptions | I/O | (V) |
|---|---|---|---|---|
| 1 | CVSS1 | GND | - | 0 |
| 2 | - | - | - | - |
| 3 | CVSS2 | GND | - | 0 |
| 4 | DVSS1 | I/O system (3.3V) power supply | - | 3.3 |
| 5 | A10 | Address bus of FLASH ROM | O | 0 |
| 6 | - | - | - | - |
| 7 | A11 | Address bus of FLASH ROM | O | 3.3 |
| 8 | A12 | | O | 3.3 |
| 9 | A13 | | O | 3.3 |
| 10 | A14 | | O | 3.3 |
| 11 | A15 | | O | 3.3 |
| 12 | /CVDD1 | CORE CPU system (1.6V) power supply | - | 1.6 |
| 13 | - | - | - | - |
| 14 | DVSS1 | GND | - | 0 |
| 15 | CVSS3 | GND | - | 0 |
| 16 | /CVDD2 | I/O system (3.3V) power supply | - | 1.6 |
| 17 | - | - | - | - |
| 18 | - | - | - | - |
| 19 | - | - | - | - |
| 20 | nPS | FLASH ROM selection signal | O | 3.3 |
| 21 | - | - | - | - |
| 22 | - | - | - | - |
| 23 | R/W | Lead/light signal to FLASH ROM | O | 3.3 |
| 24 | nMSTRB | Memory access signal | O | 3.3 |
| 25 | - | - | - | - |
| 26 | - | - | - | - |
| 27 | MUTE | Mute signal output (H: Mute on) | O | 0 |
| 28 | - | - | - | - |
| 29 | - | - | - | - |
| 30 | - | - | - | - |
| 31 | SUBO | SUBO input | I | 0 |
| 32 | - | Operation mode setting (external pull-up) | I | 3.3 |
| 33 | DVDD2 | I/O system (3.3V) power supply | - | 3.3 |
| 34 | CVSS4 | GND | - | 0 |
| 35 | (GND) | GND | I | 0 |
| 36 | - | - | - | - |

| | | | | |
|---|---|---|---|---|
| 36 | - | - | - | - |

| Pin No. | Port | Descriptions | I/O | (V) |
|---|---|---|---|---|
| 37 | CVSS5 | GND | - | 0 |
| 38 | - | - | - | - |
| 39 | - | - | - | - |
| 40 | DVSS2 | GND | - | 0 |
| 41 | CLK C M | AUDIO bit clock input | I | 1.6 |
| 42 | SCK | Clock input | I | 3.3 |
| 43 | LRCK C M | AUDIO L/R identifying signal input | I | 1.6 |
| 44 | CDFS | Serial frame sink signal input | I | 2.6 |
| 45 | DATA M C | AUDIO serial data input | I | 1.6 |
| 46 | - | - | - | - |
| 47 | SI | Serial data input | I | 0 |
| 48 | CLK M C | AUDIO bit clock output | O | 1.6 |
| 49 | SCK | Clock input | I | 3.3 |
| 50 | CVSS6 | GND | - | 0 |
| 51 | - | - | - | - |
| 52 | CVDD3 | CORE CPU system (1.6V) power supply | - | 1.6 |
| 53 | LRCK M C | AUDIO L/R identifying signal output | O | 1.6 |
| 54 | CDFS | Serial frame sink signal input | I | 2.4 |
| 55 | - | - | - | - |
| 56 | DVDD3 | I/O system (3.3V) power supply | - | 3.3 |
| 57 | DVSS3 | GND | - | 0 |
| 58 | REST SW | Mechanics deck REST SW input | I | 3.3 |
| 59 | DATA M C | AUDIO serial data output | O | 1.6 |
| 60 | SO | Serial data output | O | 1.2 |
| 61 | - | - | - | - |
| 62 | - | - | - | - |
| 63 | - | - | - | - |
| 64 | - | - | - | - |
| 65 | - | - | - | - |
| 66 | BLKCK | Subcode block clock pulse input | I | 0 |
| 67 | - | - | - | - |
| 68 | DVDD4 | CORE CPU system (1.6V) power supply | - | 1.6 |

| Pin No. | Port | Descriptions | I/O | (V) |
|---|---|---|---|---|
| 69 | SW1 | Mechanics deck SW1 input | I | 0 |
| 70 | CVSS7 | GND | - | 0 |
| 71 | MCLK | Clock output (To Servo DSP) | O | 3.3 |
| 72 | DVSS4 | GND | - | 0 |
| 73 | MLD | Command load signal output (To Servo DSP) | I | 3.3 |
| 74 | MDATA | Command data output (To Servo DSP) | O | 3.3 |
| 75 | DVDD4 | I/O system (3.3V) power supply | - | 3.3 |
| 76 | DVSS5 | GND | - | 0 |
| 77 | - | Clock mode setting (L fixation) | I | 0 |
| 78 | - | Clock mode setting (H fixation) | I | 3.3 |
| 79 | - | Clock mode setting (L fixation) | I | - |
| 80 | - | - | - | - |
| 81 | SW2 | Mechanics deck SW2 input | I | 0 |
| 82 | - | - | - | - |
| 83 | - | - | - | - |
| 84 | - | - | - | - |
| 85 | - | - | - | - |
| 86 | - | - | - | - |
| 87 | - | - | - | - |
| 88 | - | - | - | - |
| 89 | - | - | - | - |
| 90 | CVSS8 | GND | - | 3.3 |
| 91 | CVDD5 | CORE CPU system (1.6V) power supply | - | 0 |
| 92 | (GND) | GND | I | 1.6 |
| 93 | DVSS6 | GND | - | 0 |
| 94 | - | - | - | - |
| 95 | CLKENA | Oscillation output Cainabl signal | O | 3.3 |
| 96 | ×1 | Crystal Connection | O | 0 |
| 97 | ×2 | Crystal Connection | I | 0 |
| 98 | (VDD) | Reset signal input | I | 1 |
| 99 | D0 | Data base of FLASH ROM | I/O | 3.4 |
| 100 | D1 | | I/O | 0 |
| 101 | D2 | | I/O | 0 |
| 102 | D3 | | I/O | 0 |
| 103 | D4 | | I/O | 0 |
| 104 | D5 | | I/O | 0 |

| Pin No. | Port | Descriptions | I/O | (V) |
|---|---|---|---|---|
| 105 | A16 | Address bus of FLASH ROM | O | 0 |
| 106 | DVSS7 | GND | - | 0 |
| 107 | A17 | Address bus of FLASH ROM | O | 3.3 |
| 108 | A18 | | O | 0 |
| 109 | A19 | | O | 0 |
| 110 | A20 | | O | 0 |
| 111 | CVSS9 | GND | - | 0 |
| 112 | DVDD5 | I/O system (3.3V) power supply | - | 3.3 |
| 113 | D6 | Data bus of FLASH ROM | I/O | 0 |
| 114 | D7 | | I/O | 0 |
| 115 | D8 | | I/O | 0 |
| 116 | D9 | | I/O | 0 |
| 117 | D10 | | I/O | 0 |
| 118 | D11 | Data bus of FLASH ROM | I/O | 0 |
| 119 | D12 | | I/O | 0 |
| 120 | STAT | Status signal input | I | 0.4 |
| 121 | D13 | Data path of FLASH ROM | I/O | 0 |
| 122 | D14 | | I/O | 0 |
| 123 | D15 | | I/O | 0 |
| 124 | SQCK | SOCK clock output(To Servo DPS) | O | 3.2 |
| 125 | CVDD6 | CORE CPU system (1.6V) power supply | - | 1.6 |
| 126 | CVSS10 | GND | - | 0 |
| 127 | - | - | - | - |
| 128 | DVSS8 | I/O system (3.3V) power supply | - | 0 |
| 129 | - | - | - | - |
| 130 | DVDD6 | I/O system (3.3V) power supply | - | 3.3 |
| 131 | A0 | Address bus of FLASH ROM | O | 0 |
| 132 | A1 | | O | 0 |
| 133 | A2 | | O | 3.3 |
| 134 | A3 | | O | 3.3 |
| 135 | /RST | Reset signal output(To Servo DSP) | O | 3.3 |
| 136 | A4 | Address bus of FLASH ROM | O | 3.3 |
| 137 | A5 | | O | 0 |
| 138 | A6 | | O | 3.3 |
| 139 | A7 | | O | 3.3 |
| 140 | A8 | | O | 0 |
| 141 | A9 | | O | 3.3 |

| Pin No. | Port | Descriptions | I/O | (V) |
|---|---|---|---|---|
| 142 | CVDD7 | CORE CPU system (1.6V) power supply | - | 1.6 |
| 143 | - | - | - | - |
| 144 | DVSS9 | GND | - | 0 |

## 9.4. CD Servo Block / [CQ-C3200U/CQ-C3100U]

**IC1 : YESAM148**

| Pin No. | Port | Description | I/O | (V) |
|---|---|---|---|---|
| 1 | D.GND | Digital Ground | - | 0 |
| 2 | RFOK | RFOK Signal | O | 5 |
| 3 | /RST | Reset | I | 5 |
| 4 | A0 | Address 0 | I | 4.6 |
| 5 | /STB | Strobe | I | 5.2 |
| 6 | /SCK | Serial Clock | I | 5.2 |
| 7 | SO | Serial Data Output | O | 0 |
| 8 | SI | Serial Data Input | I | 3 |
| 9 | /XTALEN | Crystal Oscillaton Enable | I | 0 |
| 10 | D.VDD | Digital Power Supply | - | 5 |
| 11 | DA.VDD | D/A Converter Power Supply | - | 4.9 |
| 12 | ROUT | R-channel Audio Signal Output | O | - |
| 13 | DA.GND | D/A Converter Ground | - | - |
| 14 | REGC | Capacitor Connection for Regulator | - | - |
| 15 | DA.GND | D/A Converter Ground | - | - |
| 16 | LOUT | L-channel Audio Signal Output | O | - |
| 17 | DA.VDD | D/A Converter Power Supply | - | - |
| 18 | R+(NC) | - | - | - |
| 19 | R-(NC) | - | - | - |
| 20 | L-(NC) | - | - | - |
| 21 | L+(NC) | - | - | - |
| 22 | X.VDD | Crystal Oscillator Power Supply | - | - |
| 23 | XTAL | Crystal Connection | O | 2.4 |
| 24 | /XTAL | Crystal Connection | I | 2.4 |
| 25 | X.GND | Crystal Oscillator Ground | - | 0 |
| 26 | D.VDD | Digital Power Supply | - | 5 |
| 27 | EMPH (NC) | - | - | - |
| 28 | FLAG(NC) | - | - | - |

| Pin No. | Port | Description | I/O | (V) |
|---|---|---|---|---|
| 29 | DIN | Data Input | I | 2.7 |
| 30 | DOUT | Data Output | O | 2.7 |
| 31 | SCKIN | Serial Clock Input | I | 2.8 |
| 32 | SCKO | Serial Clock Output | O | 2.8 |
| 33 | LRCKIN | LR Clock Input | I | 2.6 |
| 34 | LRCK | LR Clock | O | 2.6 |
| 35 | HOLD/ WDCK (NC) | - | - | - |
| 36 | TX (NC) | - | - | - |
| 37 | D.GND | Digital Ground | - | 0 |
| 38 | C16M (NC) | - | - | - |
| 39 | LIMIT (NC) | - | - | - |
| 40 | D.VDD | Digital Power Supply | - | 5 |
| 41 | LOCK | Lock | O | 5 |
| 42 | RFCK (NC) | - | - | - |
| 43 | MIRR/ WFCK (NC) | - | - | - |
| 44 | PLCK(NC) | - | - | - |
| 45 | D.GND | Digital Ground | - | 0 |
| 46 | C1D1(NC) | - | - | - |
| 47 | C1D2(NC) | - | - | - |
| 48 | C2D1(NC) | - | - | - |
| 49 | C2D2(NC) | - | - | - |
| 50 | C2D3(NC) | - | - | - |
| 51 | D.VDD | Digital Power Supply | - | 5 |
| 52 | PACK(NC) | - | - | - |
| 53 | TSO(NC) | - | - | - |
| 54 | TSI | Parameter Input for Text Data | I | 0 |
| 55 | /TSCK | Serial Clock for Text Data | I | 0 |
| 56 | TSTB | Text Parameter Strobe | I | 0 |
| 57 | D.GND | Digital Ground | - | 0 |
| 58 | TEST0 | Test | I | 0 |
| 59 | TEST1 | Test | I | 0 |
| 60 | ATEST | Analog Test | O | 2.2 |
| 61 | A.GND | Analog Ground | - | 0 |
| 62 | FD | Focus Drive | O | 2.5 |
| 63 | TD | Tracking Drive | O | 2.5 |
| 64 | SD | Sled Drive | O | 2.6 |

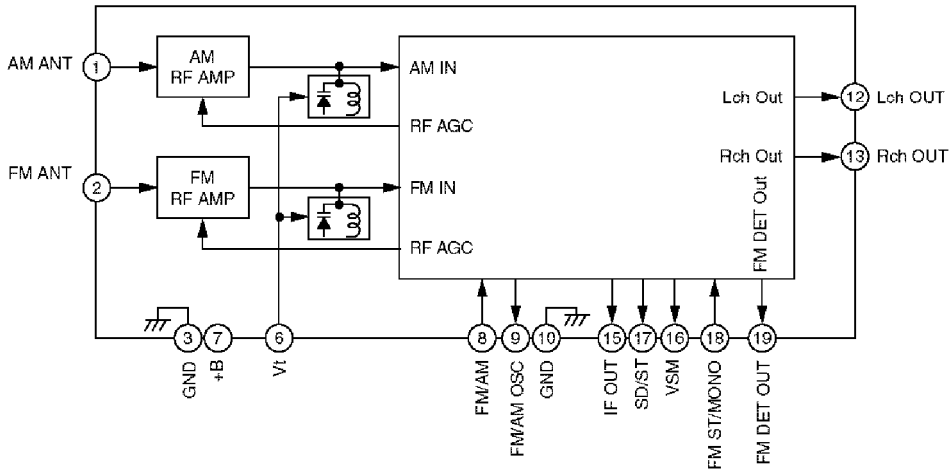
| Pin No. | Port | Description | I/O | (V) |
|---|---|---|---|---|
| 65 | MD | Motor Drive | O | 2.5 |
| 66 | DAC0(NC) | - | - | - |
| 67 | DAC1(NC) | - | - | - |
| 68 | DAC2(NC) | - | - | - |
| 69 | DAC3(NC) | - | - | - |
| 70 | A.VDD | Digital Power Supply | - | 5 |
| 71 | EFM | EFM Signal | O | 2.7 |
| 72 | ASY | Slice Level | I | 2.5 |
| 73 | C3T | Capacitance Connection for 3T Signal Detecting Circuit | - | 2.7 |
| 74 | RFI | RF Signal Input | I | 2.5 |
| 75 | AGCO | AGC Amp Output | O | 2.5 |
| 76 | AGCI | AGC Amp Input | I | 2.5 |
| 77 | RFO | RF Amp Output | O | 2.6 |
| 78 | EQ2 | Equalizer Parts Connection for RF Amp | - | 2.5 |
| 79 | EQ1 | Equalizer Parts Connection for RF Amp | - | 0 |
| 80 | RF- | Impedance Connection to RF Amp for Negative Feedback | I | 2.4 |
| 81 | A.GND | Analog Ground | - | 0 |
| 82 | A | Error Signal Input | I | 2.7 |
| 83 | C(NC) | - | - | - |
| 84 | B | Error Signal Input | I | 2.7 |
| 85 | D(NC) | - | - | - |
| 86 | F | Error Signal Input | I | 3 |
| 87 | E | Error Signal Input | I | 3 |
| 88 | A.VDD | Analog Power Supply | - | 5 |
| 89 | REFOUT | Reference Output | O | 2.5 |
| 90 | FE- | Impedance Connection to Focus Error Amp for Negative Feedback | I | 2.5 |
| 91 | FEO | Focus Error Amp Output | O | 2.5 |
| 92 | TE- | Impedance Connection to Tracking Error Amp for Negative Feedback | I | 2.5 |
| 93 | TEO | Tracking Error Amp Output | O | 2.5 |
| 94 | TE2 | Tracking Error Amp Output Multiplied by Two | O | 2.7 |
| 95 | TEC | Tracking Error Comparator | I | 2.5 |
| 96 | A.GND | Analog Ground | - | 0 |

| Pin No. | Port | Description | I/O | (V) |
|---|---|---|---|---|
| 97 | PD | Photo Diode Signal (for Detecting Laser Power) Input | I | 0.2 |
| 98 | LD | Laser Diode Control Current Output | O | 3.7 |
| 99 | PN | APC Circuit Polarity Control | I | 0 |
| 100 | A.VDD | Analog Power Supply | - | 5 |

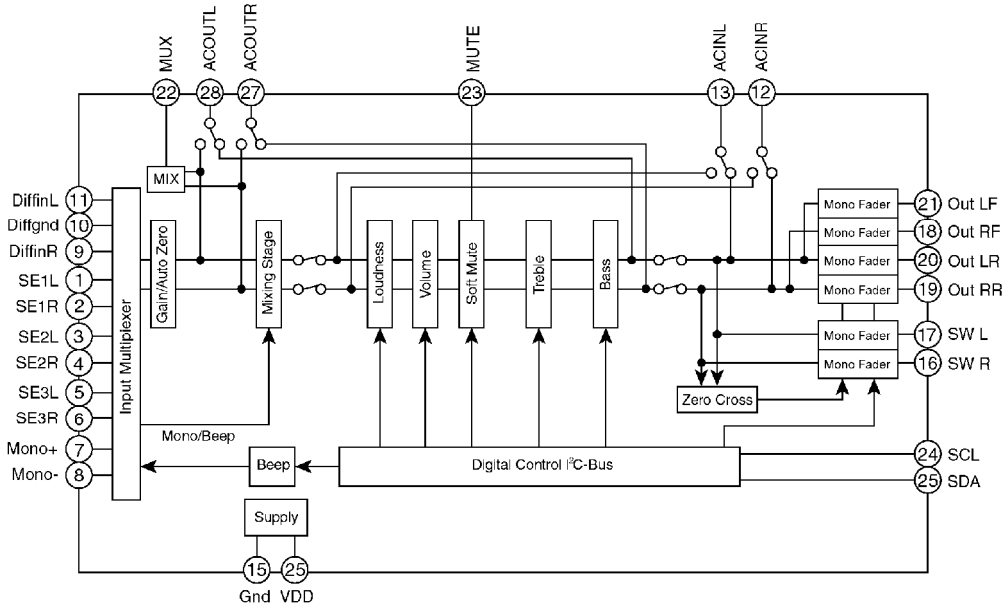
# 10. PACKAGE AND IC BLOCK DIAGRAM

## 10.1. Main Block

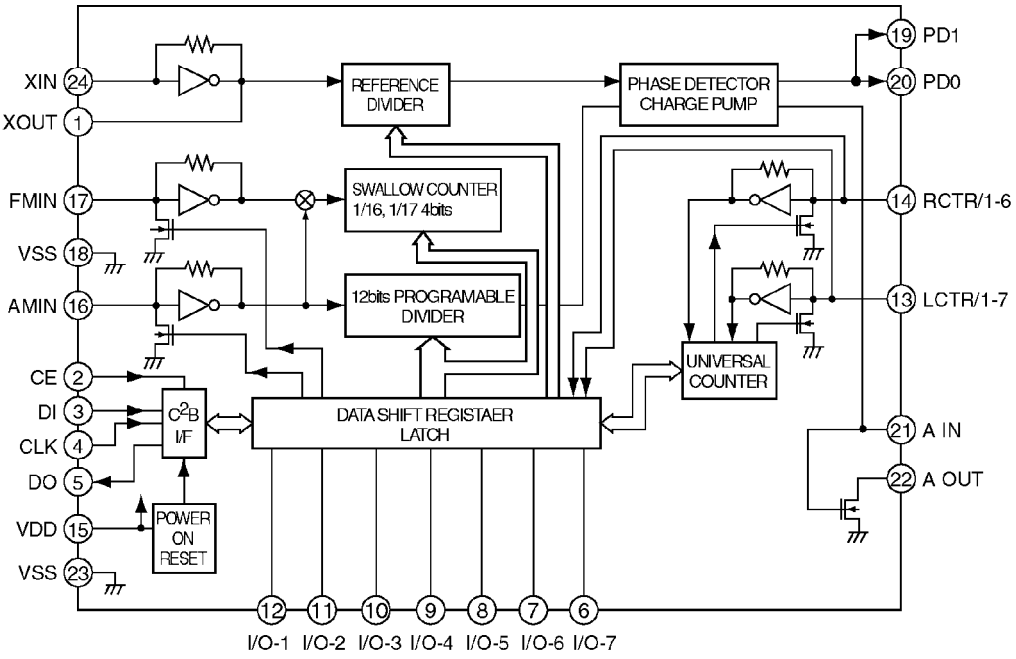
**PA51 : C5BA00000109**



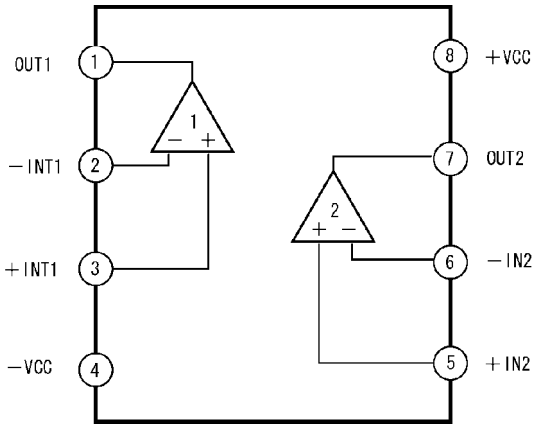

**IC201 : C1BB00000543**



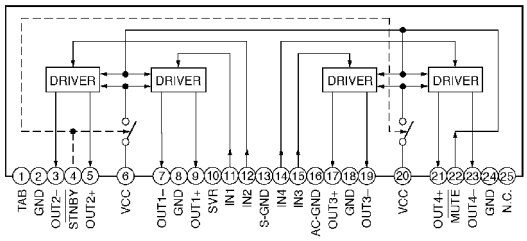
**IC401 : YESAM194**



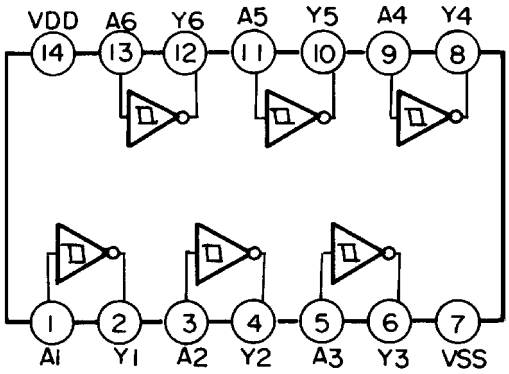

**IC231 : C0ABBB000038**



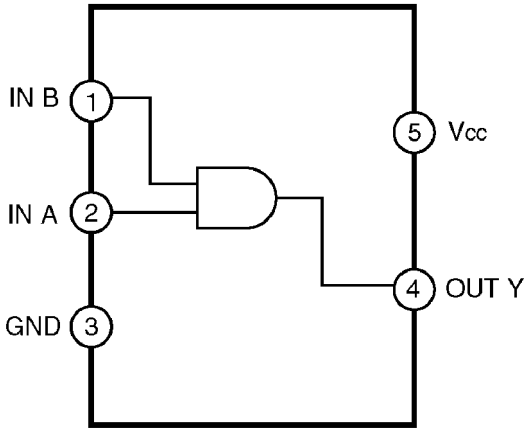

**IC271 : C1EA00000021**



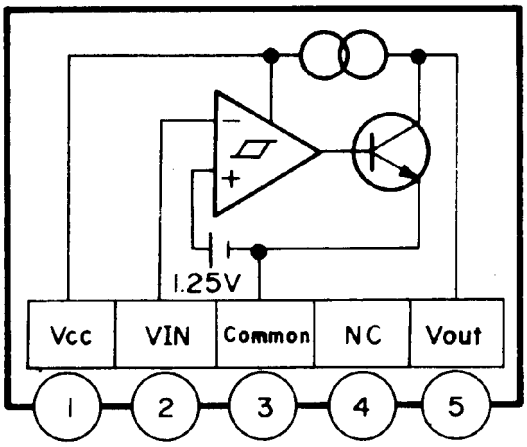

**IC651 : YESAM183**



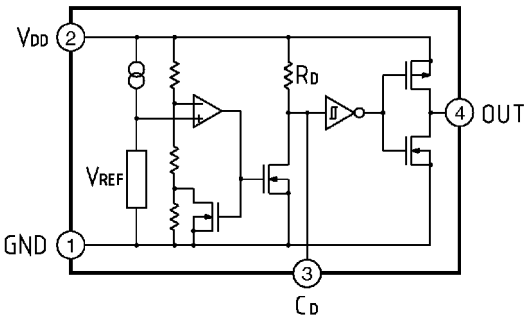

**IC681 : YESAM228 (CQ-C3300U/CQ-3400U)**



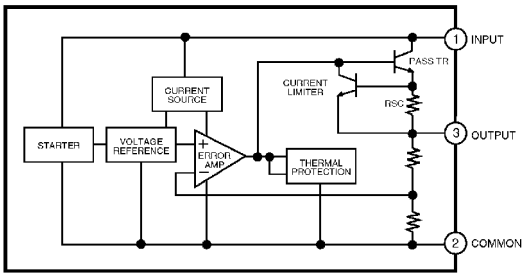

**IC701 : YEAMM51945AL**




**IC702 : YESAM234**

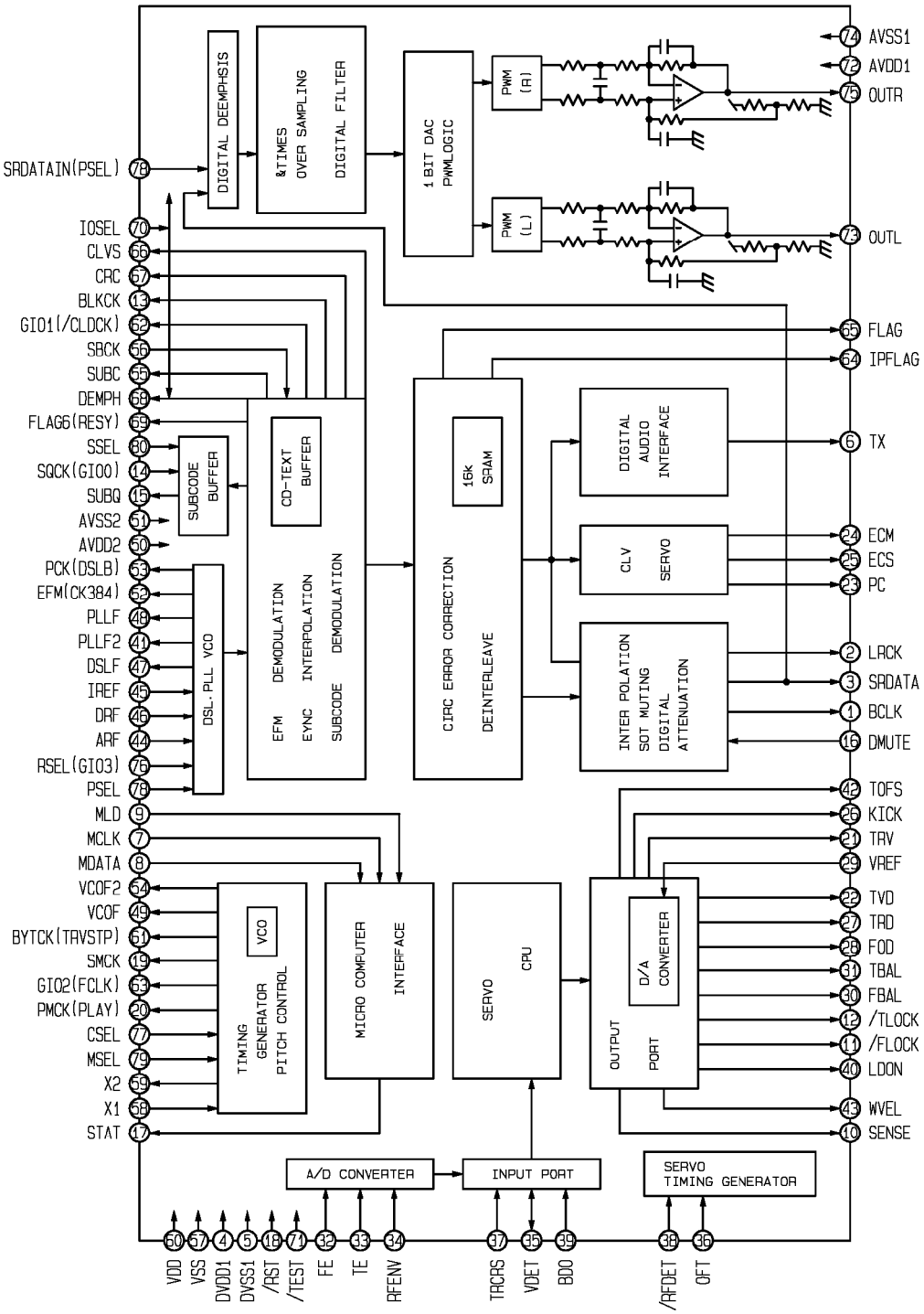


**IC783 YESAM159 (CQ-3100U/CQ-3200U)**

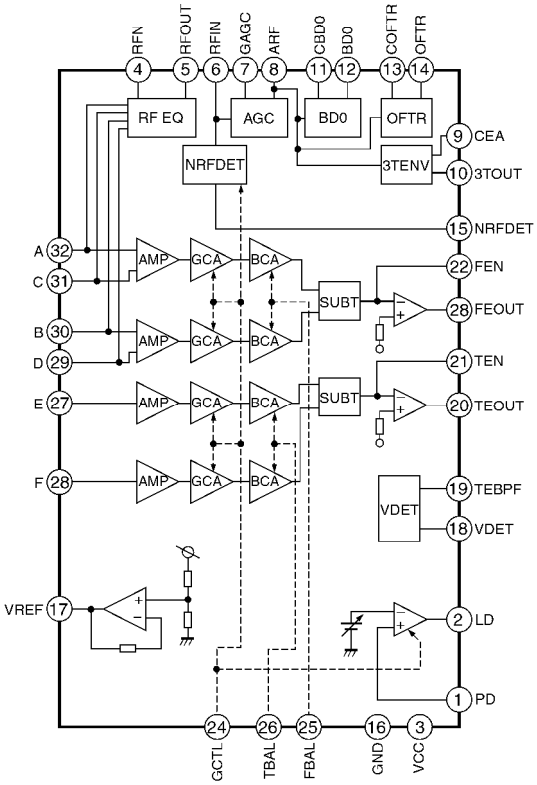



## 10.2. CD Servo Block [CQ-C3400U/CQ-C3300U]

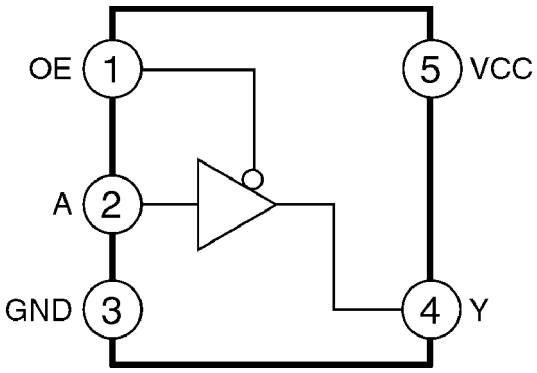
**IC201 : MN6627482WB**



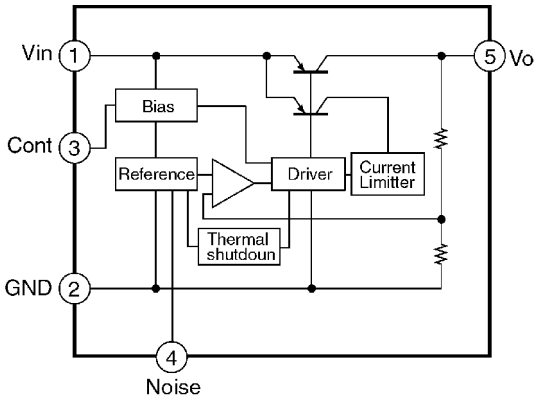

**IC202 : YESAM163**



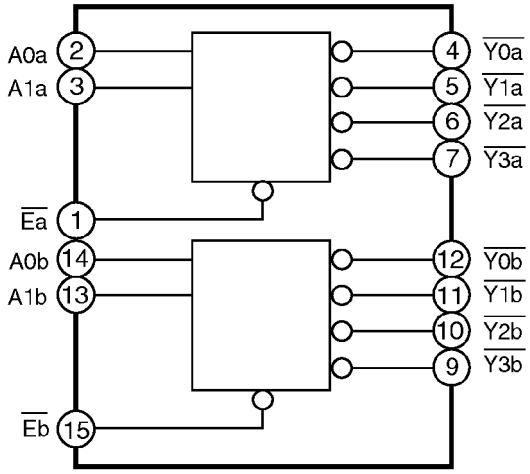

**IC409 : YESAM167**



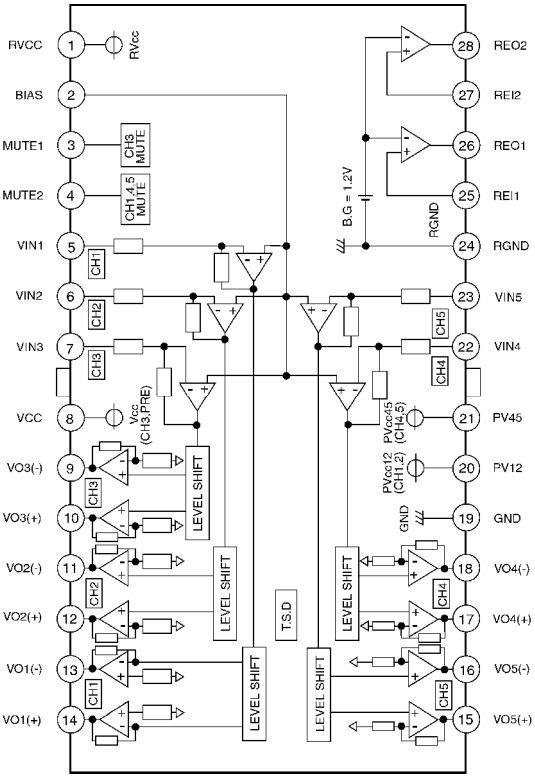

**IC411 : YESAM178**




**IC406 : YESAM171**

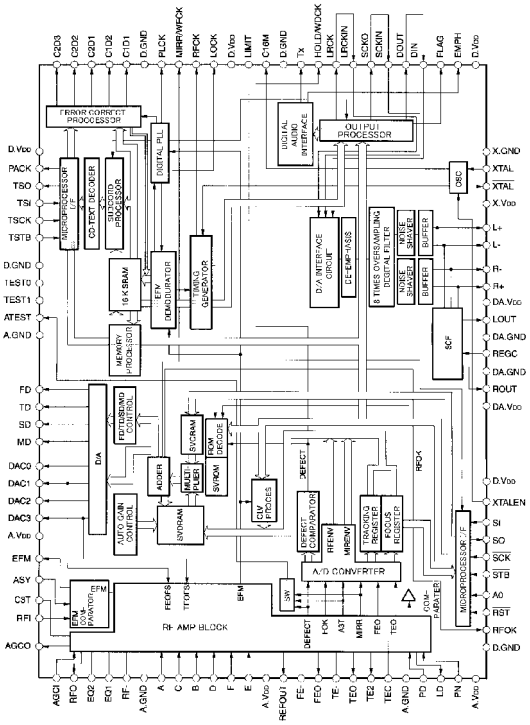



**IC203 : YESAM166**

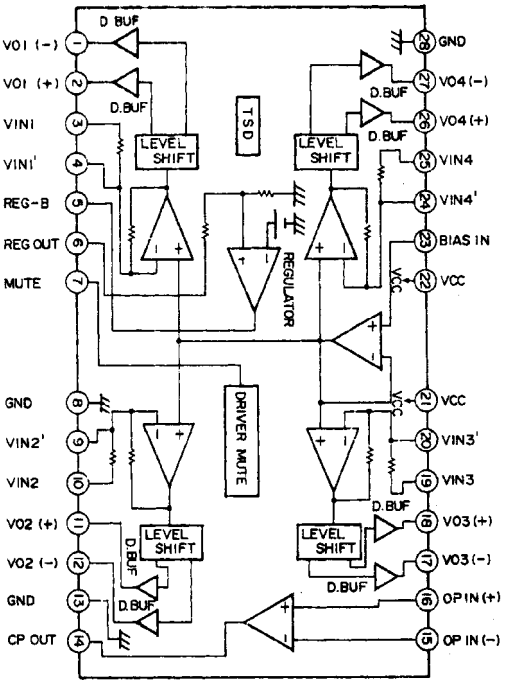



## 10.3. CD Servo Block [CQ-C3200U/CQ-C3100U]

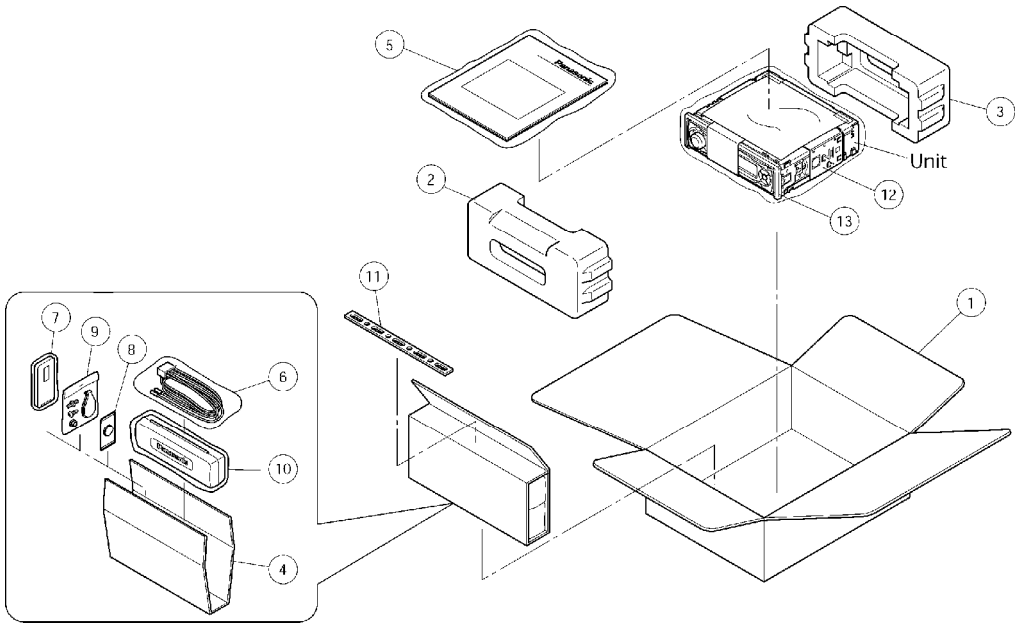
**IC1 : YESAM148**



**IC4 : YESAM226**




# 11. PACKING PARTS LIST




**- Item numbers listed below should not order regular spare parts. (not available)**

| Item No. | Part No. | Part Name & Description | Q'ty | Remarks |
|---|---|---|---|---|
| 1 | — | Inner Carton | 1 | Not available |
| 2 | — | Packing Pad (Front) | 1 | Not available |
| 3 | — | Packing Pad (Rear) | 1 | Not available |
| 4 | — | sleeve | 1 | Not available |
| 5 | — | Operating Instructions Kit | 1 | Not available |
| | YEFM284143 | Operating Instructions | (1) | |
| | — | Warranty Card | (1) | Not available |
| | — | Service Center List | (1) | Not available |
| 6 | YESAJ01224 | Power Connector | 1 | |
| 7 | YESFZ259 | Remote Control Unit | 1 | |
| 8 | CR2025/1F | Lithium Battery | 1 | |
| 9 | YESFZ257 | Screw Kit | 1 | |
| 10 | YEFA131839 | Removable Face Plate Case | 1 | |
| 11 | YESFX021127 | Rear Support Strap | 1 | |
| 12 | YESFX018006 | Mounting Collar | 1 | |
| 13 | YESFC05019 | Trim Plate | 1 | |

# 12. REPLACEMENT PARTS LIST / [CQ-C3300U/CQ-C3400U]

**Notes :**

**1. Be sure to make your orders of replacement parts according to this list.**

2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    **- Order intake period is basically six months after the first shipment.**

5. **“A“ or “B” marks in remarks column are indicated as follows:**

    **- A : CQ-C3300U**
    **- B : CQ-C3400U**

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| [7204-02-11] Main Block | | | |
| IC's and TRANSISTORs | | | |
| IC201 | C1BB00000543 | IC | |
| IC231 | C0ABBB000038 | IC | |
| IC271 | C1EA00000021 | IC | |
| IC401 | YESAM194 | IC | |
| IC601 | YESAM230 | IC | |
| IC651 | YESAM183 | IC | |
| IC681 | YESAM228 | IC | |
| IC701 | YEAMM51945AL | IC | |
| IC702 | YESAM234 | IC | |
| IC719 | YESAM233 | IC | |
| IC720 | YESAM232 | IC | |
| IC783 | YESAM227 | IC | |
| PA51 | C5BA00000109 | Tuner Pack | |
| Q52 | YESAN065 | Transistor | |
| Q54 | B1GBCFNN0004 | Transistor | |
| Q55 | YESAN075 | Transistor | |
| Q231 | B1GBHBEA0004 | Transistor | B |
| Q232 | B1GDCFJJ0002 | Transistor | B |
| Q262 | B1GBHBEA0004 | Transistor | |
| Q266 | B1GBHBEA0004 | Transistor | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| Q346 | B1GBHBEA0004 | Transistor | B |
| Q362 | B1GBHBEA0004 | Transistor | |
| Q366 | B1GBHBEA0004 | Transistor | |
| Q411 | YEAN2SK536TB | FET | |
| Q642 | B1GBCFNN0004 | Transistor | |
| Q644 | B1GDCFJN0004 | Transistor | |
| Q660 | YESAN075 | Transistor | |
| Q661 | YEANA114TK | Transistor | |
| Q662 | YEANA114TK | Transistor | B |
| Q667 | YESAN062 | Transistor | |
| Q670 | B1GDCFJJ0002 | Transistor | |
| Q681 | YEANC114YKX | Transistor | |
| Q701 | YESAN073 | Transistor | |
| Q703 | B1BCCF000017 | Transistor | |
| Q704 | YESAN076 | Transistor | |
| Q705 | YEAND1859T | Transistor | |
| Q708 | YESAN074 | Transistor | |
| Q720 | YEANHQ1F3PT1 | Transistor | |
| Q721 | YEANC114YKX | Transistor | |
| Q722 | YEANHQ1F3PT1 | Transistor | |
| Q723 | YEANC114YKX | Transistor | |
| Q761 | B1GDCFJN0004 | Transistor | |
| Q762 | YESAN074 | Transistor | |
| Q780 | YEANC114YKX | Transistor | |
| Q781 | YESAN074 | Transistor | |
| | | | |
| | | | |
| DIODEs | | | |
| D270 | YESAD120 | Diode | |
| D271 | YESAD120 | Diode | |
| D272 | YESAD120 | Diode | |
| D273 | YESAD120 | Diode | |
| D274 | YESAD120 | Diode | |
| D275 | YESAD120 | Diode | |
| D276 | YESAD120 | Diode | |
| D277 | YESAD120 | Diode | |
| D601 | LN25RP | LED | |
| D650 | B0ACCK000005 | Diode | |
| D676 | B0ADCJ000020 | Diode | |
| D680 | YEADRB501VT | Diode | |
| D681 | YESAD119 | Zener Diode | |
| D682 | YEADRB501VT | Diode | |
| D683 | B0ACCK000005 | Diode | |
| D702 | 1SS133T77 | Diode | |
| D703 | YESAD096 | Zener Diode | |
| D705 | YEADRB501VT | Diode | |
| D706 | YESAD117 | Diode | |
| D707 | YEADRB051L40 | Diode | |
| D709 | YESAD122 | Zener Diode | |
| D710 | YESAD119 | Zener Diode | |
| D714 | YESAD121 | Diode | |
| D719 | YEADRB501VT | Diode | |
| D768 | YESAD095 | Zener Diode | |
| D781 | YESAD123 | Zener Diode | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| D782 | YESAD098 | Diode | |
| | | | |
| | | | |
| CAPACITORs | | | |
| C51 | YECUS1H470JC | Ceramic, 47pF 50WV | |
| C53 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C54 | YESCC306 | Electrolytic, 330 μF 10WV | |
| C55 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C61 | YESCC318 | Ceramic, 0.027 μF 50WV | |
| C62 | YESCC318 | Ceramic, 0.027 μF 50WV | |
| C65 | YESCC233 | Ceramic, 0.001 μF 50WV | |
| C67 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C201 | F1J1H681A025 | Ceramic, 680pF 50WV | |
| C202 | F1J1H681A025 | Ceramic, 680pF 50WV | |
| C203 | YESCC314 | Electrolytic, 3.3 μF 50WV | |
| C204 | YESCC191 | Ceramic, 2.2 μF | |
| C207 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C208 | YESCC230 | Ceramic, 0.33 μF 16WV | |
| C209 | YESCC191 | Ceramic, 2.2 μF | |
| C210 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C220 | YESCC312 | Electrolytic, 2.2 μF 50WV | |
| C235 | YESCC284 | Ceramic, 0.18 μF 50WV | |
| C236 | YESCC319 | Ceramic, 0.082 μF 50WV | |
| C237 | YESCC229 | Ceramic, 1 μF 16WV | B |
| C261 | YESCC282 | Electrolytic, 4.7 μF 50WV | |
| C263 | YESCC229 | Ceramic, 1 μF 16WV | |
| C265 | YESCC282 | Electrolytic, 4.7 μF 50WV | |
| C267 | YESCC229 | Ceramic, 1 μF 16WV | |
| C271 | YESCC235 | Ceramic, 0.0047 μF 50WV | |
| C272 | YESCC235 | Ceramic, 0.0047 μF 50WV | |
| C275 | YESCC312 | Electrolytic, 2.2 μF 50WV | |
| C276 | YESCC308 | Electrolytic, 100 μF 16WV | |
| C277 | YESCC273 | Electrolytic, 1 μF 50WV | |
| C278 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C279 | YESCC310 | Electrolytic, 4700 μF 16WV | |
| C280 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C282 | YESCC305 | Electrolytic, 22 μF 10WV | |
| C291 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C301 | F1J1H681A025 | Ceramic, 680pF 50WV | |
| C302 | F1J1H681A025 | Ceramic, 680pF 50WV | |
| C303 | YESCC314 | Electrolytic, 3.3 μF 50WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C304 | YESCC191 | Ceramic, 2.2 μF | |
| C308 | YESCC230 | Ceramic, 0.33 μF 16WV | |
| C309 | YESCC276 | Electrolytic, 10 μF 16WV | |
| C310 | YESCC313 | Electrolytic, 220 μF 10WV | |
| C320 | YESCC312 | Electrolytic, 2.2 μF 50WV | |
| C325 | YECUS1H221JC | Ceramic, 220pF 50WV | |
| C339 | YESCC231 | Ceramic, 0.022 μF 25WV | |
| C345 | YESCC276 | Electrolytic, 10 μF 16WV | B |
| C361 | YESCC282 | Electrolytic, 4.7 μF 50WV | |
| C363 | YESCC229 | Ceramic, 1 μF 16WV | |
| C365 | YESCC282 | Electrolytic, 4.7 μF 50WV | |
| C367 | YESCC229 | Ceramic, 1 μF 16WV | |
| C371 | YESCC235 | Ceramic, 0.0047 μF 50WV | |
| C372 | YESCC235 | Ceramic, 0.0047 μF 50WV | |
| C375 | YESCC276 | Electrolytic, 10 μF 16WV | |
| C378 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C381 | YESCC233 | Ceramic, 0.001 μF 50WV | |
| C401 | YECUS1H150JC | Ceramic, 15pF 50WV | |
| C402 | YECUS1H150JC | Ceramic, 15pF 50WV | |
| C403 | YESCC275 | Electrolytic, 100 μF 6.3WV | |
| C404 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C405 | F1J1H101A025 | Ceramic, 100pF 50WV | |
| C411 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C412 | YESCC231 | Ceramic, 0.022 μF 25WV | |
| C413 | ECQV1H224JL2 | Plastic Film, 0.22 μF 50WV | |
| C417 | YESCC311 | Electrolytic, 680 μF 16WV | |
| C420 | YECUS1H470JC | Ceramic, 47pF 50WV | |
| C421 | YECUS1H470JC | Ceramic, 47pF 50WV | |
| C601 | YESCC279 | Electrolytic, 0.047 μF 6.3WV | |
| C602 | YESCC315 | Electrolytic, 330 μF 6.3WV | |
| C605 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C624 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C628 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C631 | YESCC229 | Ceramic, 1 μF 16WV | |
| C634 | YECUS1H220JC | Ceramic, 22pF 50WV | |
| C635 | YECUS1H220JC | Ceramic, 22pF 50WV | |
| C650 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C660 | YESCC312 | Electrolytic, 2.2 μF 50WV | |
| C680 | YESCC191 | Ceramic, 2.2 μF | |
| C681 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C683 | YESCC282 | Electrolytic, 4.7 μF 50WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C687 | YESCC309 | Electrolytic, 47 μF 16WV | |
| C688 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C689 | YESCC191 | Ceramic, 2.2 μF | |
| C701 | YESCC308 | Electrolytic, 100 μF 16WV | |
| C702 | YESCC282 | Electrolytic, 4.7 μF 50WV | |
| C703 | YESCC308 | Electrolytic, 100 μF 16WV | |
| C704 | YESCC283 | Electrolytic, 47 μF 6.3WV | |
| C705 | YESCC273 | Electrolytic, 1 μF 50WV | |
| C706 | YESCC312 | Electrolytic, 2.2 μF 50WV | |
| C708 | YESCC313 | Electrolytic, 220 μF 10WV | |
| C709 | YESCC308 | Electrolytic, 100 μF 16WV | |
| C710 | YESCC308 | Electrolytic, 100 μF 16WV | |
| C711 | YESCC229 | Ceramic, 1 μF 16WV | |
| C712 | YESCC229 | Ceramic, 1 μF 16WV | |
| C713 | YESCC255 | Ceramic, 0.047 μF 50WV | |
| C715 | YESCC311 | Electrolytic, 680 μF 16WV | |
| C716 | YESCC311 | Electrolytic, 680 μF 16WV | |
| C717 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C718 | YESCC229 | Ceramic, 1 μF 16WV | |
| C753 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C770 | YESCC200 | Ceramic, 0.22 μF 25WV | |
| C771 | YESCC276 | Electrolytic, 10 μF 16WV | |
| C772 | YESCC200 | Ceramic, 0.22 μF 25WV | |
| C781 | YESCC308 | Electrolytic, 100 μF 16WV | |
| C786 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C787 | YESCC307 | Electrolytic, 120 μF 10WV | |
| C788 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C789 | YESCC308 | Electrolytic, 100 μF 16WV | |
| C791 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C792 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C793 | YESCC200 | Ceramic, 0.22 μF 25WV | |
| C795 | YESCC313 | Electrolytic, 220 μF 10WV | |
| C796 | YESCC313 | Electrolytic, 220 μF 10WV | |
| C797 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C798 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C799 | YESCC255 | Ceramic, 0.047 μF 50WV | |
| | | | |
| | | | |
| RESISTORs | | | |
| J801 | YESRG132 | Chip, 0 Ω 1/4W | B |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| J802-808 | YESRG132 | Chip, 0 Ω 1/4W | |
| J810-813 | YESRG132 | Chip, 0 Ω 1/4W | |
| J815 | YESRG132 | Chip, 0 Ω 1/4W | |
| J816 | YESRG132 | Chip, 0 Ω 1/4W | B |
| J818 | YESRG132 | Chip, 0 Ω 1/4W | |
| J820 | YESRG132 | Chip, 0 Ω 1/4W | |
| J822-827 | YESRG132 | Chip, 0 Ω 1/4W | |
| J829 | YESRG132 | Chip, 0 Ω 1/4W | |
| J830 | YESRG132 | Chip, 0 Ω 1/4W | A |
| J831-837 | YESRG132 | Chip, 0 Ω 1/4W | |
| J839-844 | YESRG132 | Chip, 0 Ω 1/4W | |
| J846-856 | YESRG132 | Chip, 0 Ω 1/4W | |
| J858 | YESRG132 | Chip, 0 Ω 1/4W | |
| J860-875 | YESRG132 | Chip, 0 Ω 1/4W | |
| J877 | YESRG132 | Chip, 0 Ω 1/4W | |
| J879-881 | YESRG132 | Chip, 0 Ω 1/4W | |
| J890 | YESRG132 | Chip, 0 Ω 1/4W | |
| J901 | YESRG093 | Chip, 0 Ω 1/8W | |
| J902 | YESRG093 | Chip, 0 Ω 1/8W | |
| J904 | YESRG093 | Chip, 0 Ω 1/8W | |
| J905 | YESRG093 | Chip, 0 Ω 1/8W | |
| J906 | YESRG093 | Chip, 0 Ω 1/8W | |
| J909-913 | YESRG093 | Chip, 0 Ω 1/8W | |
| J915 | YESRG093 | Chip, 0 Ω 1/8W | B |
| J916-919 | YESRG093 | Chip, 0 Ω 1/8W | |
| J921-924 | YESRG093 | Chip, 0 Ω 1/8W | |
| J925 | YESRG093 | Chip, 0 Ω 1/8W | B |
| J926 | YESRG093 | Chip, 0 Ω 1/8W | |
| J927 | YESRG093 | Chip, 0 Ω 1/8W | |
| J928 | YESRG093 | Chip, 0 Ω 1/8W | B |
| J929 | YESRG093 | Chip, 0 Ω 1/8W | |
| J950 | YESRG093 | Chip, 0 Ω 1/8W | |
| J951 | YESRG093 | Chip, 0 Ω 1/8W | |
| L292 | YESRG093 | Chip, 0 Ω 1/8W | B |
| L298 | YESRG093 | Chip, 0 Ω 1/8W | |
| L398 | YESRG093 | Chip, 0 Ω 1/8W | |
| R50 | YESRG127 | Chip, 5.6 Ω 1/8W | |
| R51 | YESRG093 | Chip, 0 Ω 1/8W | |
| R52 | YESRG094 | Chip, 100 Ω 1/8W | |
| R53 | YESRG107 | Chip, 220 Ω 1/8W | |
| R58 | YESRG131 | Chip, 8.2k Ω 1/8W | |
| R59 | YESRG097 | Chip, 100k Ω 1/8W | |
| R60 | YESRG115 | Chip, 33k Ω 1/8W | |
| R65 | YESRG117 | Chip, 39k Ω 1/8W | |
| R201 | YESRG134 | Chip, 1k Ω 1/4W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R202 | YESRG095 | Chip, 1k Ω 1/8W | |
| R204 | YESRG125 | Chip, 5.6k Ω 1/8W | |
| R205 | YESRG096 | Chip, 10k Ω 1/8W | |
| R207 | YESRG136 | Chip, 100k Ω 1/4W | |
| R208 | YESRG144 | Chip, 36k Ω 1/4W | |
| R225 | YESRG095 | Chip, 1k Ω 1/8W | |
| R226 | YESRG095 | Chip, 1k Ω 1/8W | |
| R227 | YESRG093 | Chip, 0 Ω 1/8W | |
| R231 | YESRG146 | Chip, 3.9k Ω 1/4W | B |
| R233 | YESRG096 | Chip, 10k Ω 1/8W | B |
| R235 | YESRG096 | Chip, 10k Ω 1/8W | |
| R237 | YESRG110 | Chip, 220k Ω 1/8W | B |
| R248 | YESRG102 | Chip, 18 Ω 1/8W | B |
| R261 | YESRG103 | Chip, 180 Ω 1/8W | |
| R262 | YESRG096 | Chip, 10k Ω 1/8W | |
| R263 | YESRG124 | Chip, 560 Ω 1/8W | |
| R265 | YESRG103 | Chip, 180 Ω 1/8W | |
| R266 | YESRG096 | Chip, 10k Ω 1/8W | |
| R267 | YESRG124 | Chip, 560 Ω 1/8W | |
| R275 | YESRG109 | Chip, 22k Ω 1/8W | |
| R280 | YESRG097 | Chip, 100k Ω 1/8W | |
| R283 | YESRG115 | Chip, 33k Ω 1/8W | |
| R301 | YESRG134 | Chip, 1k Ω 1/4W | |
| R302 | YESRG134 | Chip, 1k Ω 1/4W | |
| R304 | YESRG125 | Chip, 5.6k Ω 1/8W | |
| R305 | YESRG096 | Chip, 10k Ω 1/8W | |
| R307 | YESRG136 | Chip, 100k Ω 1/4W | |
| R308 | YESRG144 | Chip, 36k Ω 1/4W | |
| R325 | YESRG096 | Chip, 10k Ω 1/8W | |
| R326 | YESRG096 | Chip, 10k Ω 1/8W | |
| R331 | YESRG116 | Chip, 3.9k Ω 1/8W | B |
| R345 | YESRG138 | Chip, 180 Ω 1/4W | B |
| R346 | YESRG109 | Chip, 22k Ω 1/8W | B |
| R348 | YESRG102 | Chip, 18 Ω 1/8W | B |
| R361 | YESRG103 | Chip, 180 Ω 1/8W | |
| R362 | YESRG096 | Chip, 10k Ω 1/8W | |
| R363 | YESRG124 | Chip, 560 Ω 1/8W | |
| R365 | YESRG138 | Chip, 180 Ω 1/4W | |
| R366 | YESRG096 | Chip, 10k Ω 1/8W | |
| R367 | YESRG124 | Chip, 560 Ω 1/8W | |
| R375 | YESRG137 | Chip, 12k Ω 1/4W | |
| R381 | YESRG120 | Chip, 47k Ω 1/8W | |
| R382 | YESRG096 | Chip, 10k Ω 1/8W | |
| R383 | YESRG120 | Chip, 47k Ω 1/8W | |
| R384 | YESRG096 | Chip, 10k Ω 1/8W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R401 | YESRG100 | Chip, 1.5k Ω 1/8W | |
| R402 | YESRG109 | Chip, 22k Ω 1/8W | |
| R403 | YESRG120 | Chip, 47k Ω 1/8W | |
| R408 | YESRG148 | Chip, 47k Ω 1/4W | |
| R413 | YESRG104 | Chip, 1.8k Ω 1/8W | |
| R414 | YESRG124 | Chip, 560 Ω 1/8W | |
| R417 | YESRG133 | Chip, 10 Ω 1/4W | |
| R418 | YESRG108 | Chip, 2.2k Ω 1/8W | |
| R419 | YESRG108 | Chip, 2.2k Ω 1/8W | |
| R420 | YESRG108 | Chip, 2.2k Ω 1/8W | |
| R421 | YESRG108 | Chip, 2.2k Ω 1/8W | |
| R422 | YESRG141 | Chip, 2.2k Ω 1/4W | |
| R423 | YESRG108 | Chip, 2.2k Ω 1/8W | |
| R424 | YESRG141 | Chip, 2.2k Ω 1/4W | |
| R426 | YESRG107 | Chip, 220 Ω 1/8W | |
| R510 | YESRG093 | Chip, 0 Ω 1/8W | |
| R601 | YESRG097 | Chip, 100k Ω 1/8W | |
| R603 | YESRG134 | Chip, 1k Ω 1/4W | |
| R604 | YESRG120 | Chip, 47k Ω 1/8W | |
| R605 | YESRG095 | Chip, 1k Ω 1/8W | |
| R609 | YESRG101 | Chip, 150k Ω 1/8W | |
| R610 | YESRG097 | Chip, 100k Ω 1/8W | |
| R611 | YESRG147 | Chip, 4.7k Ω 1/4W | |
| R612 | YESRG134 | Chip, 1k Ω 1/4W | |
| R618 | YESRG136 | Chip, 100k Ω 1/4W | |
| R619 | YESRG134 | Chip, 1k Ω 1/4W | |
| R620 | YESRG134 | Chip, 1k Ω 1/4W | |
| R621 | YESRG095 | Chip, 1k Ω 1/8W | |
| R622 | YESRG095 | Chip, 1k Ω 1/8W | |
| R623 | YESRG134 | Chip, 1k Ω 1/4W | |
| R624 | YESRG119 | Chip, 4.7k Ω 1/8W | |
| R625 | YESRG096 | Chip, 10k Ω 1/8W | |
| R626 | YESRG131 | Chip, 8.2k Ω 1/8W | |
| R627 | YESRG097 | Chip, 100k Ω 1/8W | |
| R628 | YESRG139 | Chip, 180k Ω 1/4W | |
| R629 | YESRG151 | Chip, 82k Ω 1/4W | A |
| R631 | YESRG093 | Chip, 0 Ω 1/8W | |
| R632 | YESRG093 | Chip, 0 Ω 1/8W | |
| R633 | YESRG119 | Chip, 4.7k Ω 1/8W | |
| R634 | YESRG126 | Chip, 560k Ω 1/8W | |
| R638 | YESRG095 | Chip, 1k Ω 1/8W | |
| R640 | YESRG120 | Chip, 47k Ω 1/8W | |
| R641 | YESRG120 | Chip, 47k Ω 1/8W | |
| R642 | YESRG128 | Chip, 680 Ω 1/8W | |
| R643 | YESRG095 | Chip, 1k Ω 1/8W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R644 | YESRG114 | Chip, 330 Ω 1/8W | |
| R645 | YESRG114 | Chip, 330 Ω 1/8W | |
| R650 | YESRG097 | Chip, 100k Ω 1/8W | |
| R651 | YESRG097 | Chip, 100k Ω 1/8W | |
| R652 | YESRG136 | Chip, 100k Ω 1/4W | |
| R653 | YESRG097 | Chip, 100k Ω 1/8W | |
| R657 | YESRG097 | Chip, 100k Ω 1/8W | |
| R659 | YESRG095 | Chip, 1k Ω 1/8W | |
| R660 | YESRG111 | Chip, 270 Ω 1/8W | |
| R661 | YESRG125 | Chip, 5.6k Ω 1/8W | |
| R662 | YESRG086 | Carbon, 47k Ω 1/4W | |
| R666 | YESRG150 | Chip, 5.6 Ω 1/4W | |
| R667 | YESRG096 | Chip, 10k Ω 1/8W | |
| R668 | YESRG134 | Chip, 1k Ω 1/4W | |
| R672 | YESRG095 | Chip, 1k Ω 1/8W | |
| R673 | YESRG139 | Chip, 180k Ω 1/4W | |
| R674 | YESRG095 | Chip, 1k Ω 1/8W | |
| R676 | YESRG095 | Chip, 1k Ω 1/8W | |
| R678 | YESRG095 | Chip, 1k Ω 1/8W | |
| R679 | YESRG095 | Chip, 1k Ω 1/8W | |
| R680 | YESRG097 | Chip, 100k Ω 1/8W | |
| R681 | YESRG084 | Carbon, 1k Ω 1/4W | |
| R682 | YESRG113 | Chip, 27k Ω 1/8W | |
| R683 | YESRG097 | Chip, 100k Ω 1/8W | |
| R684 | YESRG097 | Chip, 100k Ω 1/8W | |
| R685 | YESRG134 | Chip, 1k Ω 1/4W | |
| R687 | YESRG084 | Carbon, 1k Ω 1/4W | |
| R690 | YESRG085 | Carbon, 2.7k Ω 1/4W | |
| R692 | YESRG095 | Chip, 1k Ω 1/8W | |
| R694 | YESRG112 | Chip, 2.7k Ω 1/8W | |
| R695 | YESRG085 | Carbon, 2.7k Ω 1/4W | |
| R700 | YESRG097 | Chip, 100k Ω 1/8W | |
| R701 | YESRG133 | Chip, 10 Ω 1/4W | |
| R702 | YESRG134 | Chip, 1k Ω 1/4W | |
| R703 | YESRG096 | Chip, 10k Ω 1/8W | |
| R704 | YESRG129 | Chip, 680k Ω 1/8W | |
| R705 | YESRG115 | Chip, 33k Ω 1/8W | |
| R706 | YESRG106 | Chip, 200k Ω 1/8W | |
| R707 | YESRG099 | Chip, 12k Ω 1/8W | |
| R708 | YESRG098 | Chip, 11k Ω 1/8W | |
| R709 | YESRG148 | Chip, 47k Ω 1/4W | |
| R710 | YESRG153 | Chip, 820 Ω 1/4W | |
| R711 | YESRG153 | Chip, 820 Ω 1/4W | |
| R712 | YESRG149 | Chip, 560 Ω 1/4W | |
| R713 | YESRG140 | Chip, 1 Ω 1/4W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R714 | YESRG053 | Carbon, 1k Ω 1/2W | |
| R715 | YESRG090 | Chip, 10k Ω 1/8W | |
| R716 | YESRG092 | Chip, 3.6k Ω 1/8W | |
| R717 | YESRG091 | Chip, 180 Ω 1/8W | |
| R719 | YESRG083 | Carbon, 3.3k Ω 1/2W | |
| R732 | YESRG109 | Chip, 22k Ω 1/8W | |
| R733 | YESRG109 | Chip, 22k Ω 1/8W | |
| R753 | YESRG084 | Carbon, 1k Ω 1/4W | |
| R758 | YESRG105 | Chip, 18k Ω 1/8W | |
| R770 | YESRG087 | Carbon, 820 Ω 1/4W | |
| R771 | YESRG140 | Chip, 1 Ω 1/4W | |
| R781 | YESRG145 | Chip, 390 Ω 1/4W | |
| R782 | YESRG089 | Chip, 0.47 Ω 1W | |
| R805 | YESRG095 | Chip, 1k Ω 1/8W | |
| R806 | YESRG123 | Chip, 5.1k Ω 1/8W | |
| R807 | YESRG104 | Chip, 1.8k Ω 1/8W | |
| R808 | YESRG123 | Chip, 5.1k Ω 1/8W | |
| R809 | YESRG123 | Chip, 5.1k Ω 1/8W | |
| R810 | YESRG135 | Chip, 10k Ω 1/4W | |
| R816 | YESRG097 | Chip, 100k Ω 1/8W | |
| R817 | YESRG148 | Chip, 47k Ω 1/4W | |
| R818 | YESRG108 | Chip, 2.2k Ω 1/8W | |
| R820 | YESRG141 | Chip, 2.2k Ω 1/4W | |
| R821 | YESRG095 | Chip, 1k Ω 1/8W | |
| R822 | YESRG134 | Chip, 1k Ω 1/4W | |
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| | | | |
| CONNECTORs | | | |
| CN251 | YESAJ07008 | RCA Wire (CD.C-IN) | |
| CN253 | YESAJ07009 | RCA Wire (S.W-OUT) | B |
| CN601 | YESAE363 | Connector 15P | |
| CN602 | YESAE339 | Connector 4P | |
| CN661 | YESAJ07017 | Wire Connector 8P | |
| CN681 | YESAE344 | Connector 18P | |
| CN701 | YESAE351 | Connector 16P | |
| J1 | K2HA104B0010 | Jack, RCA | |
| J11 | YESAE343 | DIN Jack | |
| | | | |
| | | | |
| COILs | | | |
| L50 | YESLQ028 | Coil | |
| L51 | G1C150K00011 | Coil | |
| L401 | YESLQ017 | Coil | |
| L702 | G0A161J00001 | Coil | |
| L709 | YESLQ027 | Coil | |
| L710 | YESLQ012 | Coil | |
| | | | |
| | | | |
| CRYSTALs | | | |

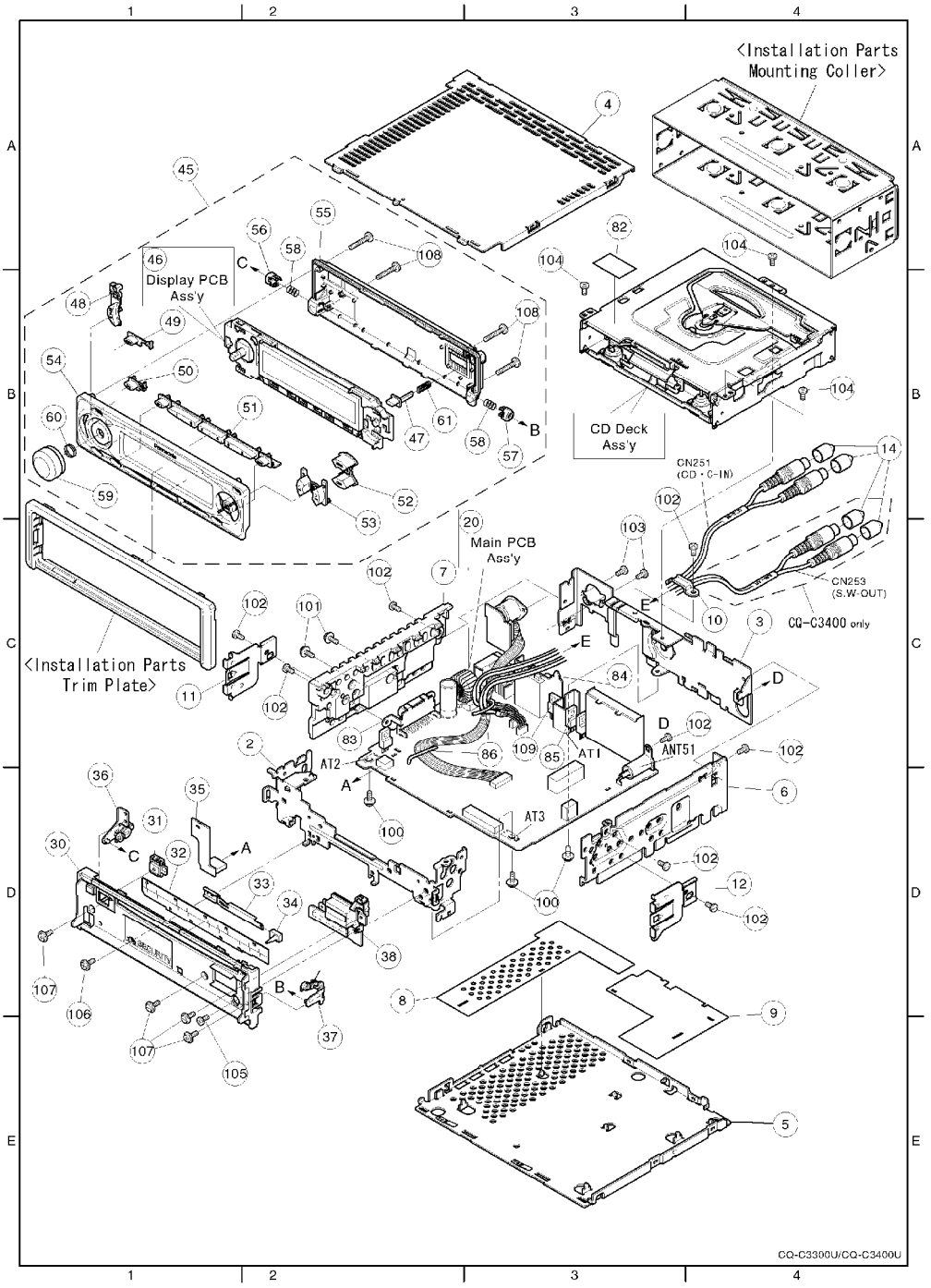
| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| XL401 | YESXL021 | Crystal | |
| XL601 | YESXL017 | Crystal | |
| XL602 | H0A327200080 | Crystal | |
| | | | |
| | | | |
| POSISTOR | | | |
| PH701 | YERT7AR4R7MT | Posistor | |
| | | | |
| | | | |
| SERGE PROTECTOR, VARISTOR | | | |
| Z50 | YESRTD008 | Serge Protector | |
| Z701 | YESRTD009 | Varistor | |
| | | | |
| | | | |
| SWITCH | | | |
| SW601 | YEAS08042 | Switch | |
| | | | |
| | | | |
| | | | |
| [7204-05-01A] Display Block | | | |
| IC's | | | |
| IC901 | YEAMLC75854T | IC | |
| IC905 | B3MBZ0000006 | IC | |
| | | | |
| | | | |
| DIODEs | | | |
| D901 | YESAD124 | LED | |
| D903 | YESAD124 | LED | |
| D905 | YESAD124 | LED | |
| D906 | YESAD124 | LED | |
| D902 | B3AAB0000143 | LED | |
| D904 | B3AAB0000143 | LED | |
| D907 | B3AAB0000143 | LED | |
| D908 | B3AAB0000143 | LED | |
| D909 | B3AAB0000143 | LED | |
| D910 | B3AAB0000143 | LED | |
| D911 | B3AAB0000143 | LED | |
| D912 | B3AAB0000143 | LED | |
| D913 | B3AAB0000143 | LED | |
| D914 | B3AAB0000143 | LED | |
| D915 | B3AAB0000143 | LED | |
| D926 | YESAD115 | Zener Diode | |
| D927 | YESAD115 | Zener Diode | |
| D928 | YESAD115 | Zener Diode | |
| D929 | YESAD115 | Zener Diode | |
| D940 | B3AFB0000039 | LED | |
| D941 | B3AFB0000039 | LED | |
| D942 | YESAD127 | Zener Diode | |
| D943 | YESAD127 | Zener Diode | |
| | | | |
| | | | |
| CAPACITORs | | | |
| C910 | YESCC233 | Ceramic, 0.001 μ F 50WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C911 | YESCC229 | Ceramic, 1 μ F 16WV | |
| C912 | YESCC229 | Ceramic, 1 μ F 16WV | |
| C923 | F1J1H681A025 | Ceramic, 680pF 50WV | |
| | | | |
| | | | |
| RESISTORs | | | |
| J101 | YESRG093 | Chip, 0 Ω 1/8W | |
| J102 | YESRG093 | Chip, 0 Ω 1/8W | |
| R943 | YESRG093 | Chip, 0 Ω 1/8W | |
| R957 | YESRG093 | Chip, 0 Ω 1/8W | |
| R966 | YESRG093 | Chip, 0 Ω 1/8W | |
| R906 | YESRG094 | Chip, 100 Ω 1/8W | |
| R907 | YESRG134 | Chip, 1k Ω 1/4W | |
| R908 | YESRG095 | Chip, 1k Ω 1/8W | |
| R909 | YESRG095 | Chip, 1k Ω 1/8W | |
| R910 | YESRG095 | Chip, 1k Ω 1/8W | |
| R911 | YESRG095 | Chip, 1k Ω 1/8W | |
| R964 | YESRG095 | Chip, 1k Ω 1/8W | |
| R938 | YESRG121 | Chip, 4.7k Ω 1/8W | |
| R939 | YESRG121 | Chip, 4.7k Ω 1/8W | |
| R941 | YESRG096 | Chip, 10k Ω 1/8W | |
| R942 | YESRG120 | Chip, 47k Ω 1/8W | |
| R951 | YESRG103 | Chip, 180 Ω 1/8W | |
| R952 | YESRG103 | Chip, 180 Ω 1/8W | |
| R953 | YESRG122 | Chip, 510 Ω 1/8W | |
| R954 | YESRG122 | Chip, 510 Ω 1/8W | |
| R955 | YESRG122 | Chip, 510 Ω 1/8W | |
| R956 | YESRG130 | Chip, 820 Ω 1/8W | |
| | | | |
| | | | |
| CONNECTORs | | | |
| CN901 | YEAE012760 | Connector 14P | |
| | | | |
| | | | |
| SWITCHes | | | |
| SW901 | YESAS121 | Switch | |
| SW903 | K0H1BA000445 | Switch | |
| SW904 | K0H1BA000445 | Switch | |
| SW905 | K0H1BA000445 | Switch | |
| SW907 | K0H1BA000445 | Switch | |
| SW908 | K0H1BA000445 | Switch | |
| SW909 | K0H1BA000445 | Switch | |
| SW910 | K0H1BA000445 | Switch | |
| SW911 | K0H1BA000445 | Switch | |
| SW912 | K0H1BA000445 | Switch | |
| SW913 | K0H1BA000445 | Switch | |
| SW914 | K0H1BA000445 | Switch | |
| SW915 | K0H1BA000445 | Switch | |
| SW916 | K0H1BA000445 | Switch | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| SW917 | K0H1BA000445 | Switch | |
| SW918 | K0H1BA000445 | Switch | |
| | | | |
| | | | |
| | | | |
| [7201-02-13] Eject Switch Block | | | |
| DIODEs | | | |
| D947 | B3ABB0000154 | LED | |
| D948 | B3ABB0000154 | LED | |
| | | | |
| CONNECTOR | | | |
| CJ642 | K1KA04A00296 | Connector 4P | |
| | | | |
| SWITCHes | | | |
| SW610 | K0H1BA000445 | Switch | |
| | | | |
| | | | |
| | | | |
| [7201-02-14] Connector Block | | | |
| CONNECTORs | | | |
| CN640 | K1KA15A00096 | Connector 15P | |
| CP641 | YEAE012761 | Connector 14P | |
| | | | |
| | | | |
| | | | |
| Accessories | | | |
| PRINTING | | | |
| | YEFM284143 | Operating Instructions | |
| | | | |
| | | | |
| INSTALLATION PARTS | | | |
| | YESAJ01224 | Power Connector | |
| | YESFZ259 | Remote Control Unit | |
| | CR2025/1F | Lithium Battery | ⚠ |
| | YESFZ257 | Screw Kit | |
| | YEFA131839 | Removable Face Plate Case | |
| | YESFX021127 | Rear Support Strap | |
| | YESFX018006 | Mounting Collar | |
| | YESFC05019 | Trim Plate | |
| | | | |
| | | | |
| | | | |
| MECHANICAL PARTS | | | |
| MISCELLANEOUS | | | |
| ANT51 | YM104C700ZA | Antenna Receptacle | |
| AT1 | YESAT01028 | Earth Terminal | |
| AT2 | YESAT01028 | Earth Terminal | |
| AT3 | YESAT01028 | Earth Terminal | |
| 2 | YESFA01071 | Front Chassis | |
| 3 | YESFA08014 | Rear Plate | |
| 4 | YESFA03053 | Top Cover A | |
| 5 | YESFA05034 | Bottom Cover Assy | |
| 6 | YESFA09004 | Side Plate | |
| 7 | YESFF01081 | Heat Sink | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 8 | YESFV01061 | Insulated Sheet L | |
| 9 | YESFV01062 | Insulated Sheet R | |
| 10 | YESFX007024 | Cord Clamper | A |
| 10 | YESFX007025 | Cord Clamper | B |
| 11 | YESFX005133 | Plate Spring L | |
| 12 | YESFX005134 | Plate Spring R | |
| 14 | YESFR04010 | RCA Cap | |
| 20 | YESAP310 | Main PCB Ass'y | A, RTL |
| 20 | YESAP311 | Main PCB Ass'y | B, RTL |
| 30 | YESFC02115 | Escutcheon | |
| 31 | YESFE13116 | Eject Button | |
| 32 | YESFS04016 | Dust Felt | |
| 33 | YESFX999053 | Lever Spring Detect | |
| 34 | YEFX9992957 | Cap Lever Detect | |
| 35 | YESAP253 | Eject PCB Assy | RTL |
| 36 | YESFX999050 | Bracket Arm L Assy | |
| 37 | YESFX999051 | Bracket Arm R Assy | |
| 38 | YESAP252 | CN PCB/BKT Hook Assy | RTL |
| 45 | YESSDF0126 | Removable Face Plate Unit | A, RTL |
| 45 | YESSDF0128 | Removable Face Plate Unit | B, RTL |
| 46 | YESAP313 | Display PCB Ass'y | RTL |
| 47 | YESFE13161 | Open Button | |
| 48 | YESFE13162 | Source Button | |
| 49 | YESFE13163 | S HDB Button | |
| 50 | YESFE13164 | D-M Button | |
| 51 | YESFE13165 | Preset Button | |
| 52 | YESFE13167 | Level/Disp Button | |
| 53 | YESFE13166 | T-Track L Button | |
| 54 | YESFC02118 | Escutheon Ass'y | A |
| 54 | YESFC02117 | Escutheon Ass'y | B |
| 55 | YESFA07010 | Rear Cover | |
| 56 | YESFX999054 | Rear Cover Metal L | |
| 57 | YESFX999055 | Rear Cover Metal R | |
| 58 | YESFX005135 | Metal Spring | |
| 59 | YESFE02021 | Vol Knob B | |
| 60 | YESFX005131 | Knob Spring | |
| 61 | YESFX005136 | Open Button Spring | |
| 82 | YESFM01080 | Laser Seal (English) | |
| 83 | YESFX021129 | Power IC Bracket | |
| 84 | YESFX021130 | RCA Bracket | |
| 85 | YESFX014007 | Rivet | |
| 86 | YESFX007023 | Style Pin | |
| 100 | YESJS01160 | Cup Screw S Tite 3*6 | |
| 101 | YESJS01160 | Cap Screw 3*6 | |
| 102 | YESJT03067 | Tapping Bind Screw S Tite M3*6 | |
| 103 | YESJS01166 | Screw Bind 3*6 | |
| 104 | YESJT03066 | Tapping Bind Screw S Tite M2.6*5 | |
| 105 | YESJS01163 | Bind S Tite 3*6 | |
| 106 | YESJS01161 | Cap Screw 2*5 Black CR | |
| 107 | YESJS01159 | Cap Screw 2*4 | |
| 108 | YESJS01164 | P Tite 2*8 Black CR | |
| 109 | YESJT03069 | Tapping Bind Screw 2.6*8 | |
| | | | |

# 13. EXPLODED VIEW (Unit) [CQ-C3300U/CQ-C3400U]




# 14. REPLACEMENT PARTS LIST / [CQ-C3100U/CQ-C3200U]

**Notes :**

**1. Be sure to make your orders of replacement parts according to**

**this list.**

2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   **- Order intake period is basically six months after the first shipment.**

5. **“C“ or “D” marks in remarks column are indicated as follows:**

   **- C : CQ-C3100U**
   **- D : CQ-C3200U**

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| [7204-02-11] Main Block | | | |
| IC's and TRANSISTORs | | | |
| IC201 | C1BB00000543 | IC | |
| IC231 | C0ABBB000038 | IC | |
| IC271 | C1EA00000021 | IC | |
| IC401 | YESAM194 | IC | |
| IC601 | YESAM231 | IC | |
| IC651 | YESAM183 | IC | |
| IC701 | YEAMM51945AL | IC | |
| IC702 | YESAM234 | IC | |
| IC719 | YESAM233 | IC | |
| IC720 | YESAM232 | IC | |
| IC783 | YESAM159 | IC | |
| PA51 | C5BA00000109 | Tuner Pack | |
| Q52 | YESAN065 | Transistor | |
| Q54 | B1GBCFNN0004 | Transistor | |
| Q55 | YESAN075 | Transistor | |
| Q262 | B1GBHBEA0004 | Transistor | |
| Q266 | B1GBHBEA0004 | Transistor | |
| Q346 | B1GBHBEA0004 | Transistor | D |
| Q362 | B1GBHBEA0004 | Transistor | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| Q366 | B1GBHBEA0004 | Transistor | |
| Q411 | YEAN2SK536TB | FET | |
| Q642 | B1GBCFNN0004 | Transistor | |
| Q644 | B1GDCFJN0004 | Transistor | |
| Q660 | YESAN075 | Transistor | |
| Q661 | YEANA114TK | Transistor | |
| Q662 | YEANA114TK | Transistor | D |
| Q667 | YESAN062 | Transistor | |
| Q670 | B1GDCFJJ0002 | Transistor | |
| Q701 | YESAN073 | Transistor | |
| Q703 | B1BCCF000017 | Transistor | |
| Q704 | YESAN076 | Transistor | |
| Q705 | YEAND1859T | Transistor | |
| Q708 | YESAN074 | Transistor | |
| Q720 | YEANHQ1F3PT1 | Transistor | |
| Q721 | YEANC114YKX | Transistor | |
| Q721 | YEANC114YKX | Transistor | |
| Q722 | YEANHQ1F3PT1 | Transistor | |
| Q723 | YEANC114YKX | Transistor | |
| Q761 | B1GDCFJN0004 | Transistor | |
| Q762 | YESAN074 | Transistor | |
| Q781 | YESAN074 | Transistor | |
| | | | |
| | | | |
| DIODEs | | | |
| D270 | YESAD120 | Diode | |
| D271 | YESAD120 | Diode | |
| D272 | YESAD120 | Diode | |
| D273 | YESAD120 | Diode | |
| D274 | YESAD120 | Diode | |
| D275 | YESAD120 | Diode | |
| D276 | YESAD120 | Diode | |
| D277 | YESAD120 | Diode | |
| D601 | LN25RP | LED | |
| D650 | B0ACCK000005 | Diode | |
| D680 | YEADRB501VT | Diode | |
| D681 | YESAD119 | Zener Diode | |
| D682 | YEADRB501VT | Diode | |
| D683 | B0ACCK000005 | Diode | |
| D702 | 1SS133T77 | Diode | |
| D703 | YESAD096 | Zener Diode | |
| D705 | YEADRB501VT | Diode | |
| D706 | YESAD117 | Diode | |
| D707 | YEADRB051L40 | Diode | |
| D709 | YESAD122 | Zener Diode | |
| D710 | YESAD119 | Zener Diode | |
| D714 | YESAD121 | Diode | |
| D719 | YEADRB501VT | Diode | |
| D768 | YESAD095 | Zener Diode | |
| D781 | YESAD123 | Zener Diode | |
| D782 | YESAD098 | Diode | |
| | | | |
| | | | |
| CAPACITORs | | | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C51 | YECUS1H470JC | Ceramic, 47pF 50WV | |
| C53 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C54 | YESCC306 | Electrolytic, 330 μF 10WV | |
| C55 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C61 | YESCC318 | Ceramic, 0.027 μF 50WV | |
| C62 | YESCC318 | Ceramic, 0.027 μF 50WV | |
| C65 | YESCC233 | Ceramic, 0.001 μF 50WV | |
| C67 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C201 | F1J1H681A025 | Ceramic, 680pF 50WV | |
| C202 | F1J1H681A025 | Ceramic, 680pF 50WV | |
| C203 | YESCC314 | Electrolytic, 3.3 μF 50WV | |
| C204 | YESCC191 | Ceramic, 2.2 μF | |
| C207 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C208 | YESCC230 | Ceramic, 0.33 μF 16WV | |
| C209 | YESCC191 | Ceramic, 2.2 μF | |
| C210 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C220 | YESCC312 | Electrolytic, 2.2 μF 50WV | |
| C235 | YESCC316 | Ceramic, 0.18 μF 16WV | |
| C236 | YESCC319 | Ceramic, 0.082 μF 50WV | |
| C237 | YESCC229 | Ceramic, 1 μF 16WV | D |
| C261 | YESCC282 | Electrolytic, 4.7 μF 50WV | |
| C263 | YESCC229 | Ceramic, 1 μF 16WV | |
| C265 | YESCC282 | Electrolytic, 4.7 μF 50WV | |
| C267 | YESCC229 | Ceramic, 1 μF 16WV | |
| C271 | YESCC235 | Ceramic, 0.0047 μF 50WV | |
| C272 | YESCC235 | Ceramic, 0.0047 μF 50WV | |
| C275 | YESCC312 | Electrolytic, 2.2 μF 50WV | |
| C276 | YESCC308 | Electrolytic, 100 μF 16WV | |
| C277 | YESCC273 | Electrolytic, 1 μF 50WV | |
| C278 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C279 | YESCC310 | Electrolytic, 4700 μF 16WV | |
| C280 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C282 | YESCC305 | Electrolytic, 22 μF 10WV | |
| C291 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C301 | F1J1H681A025 | Ceramic, 680pF 50WV | |
| C302 | F1J1H681A025 | Ceramic, 680pF 50WV | |
| C303 | YESCC314 | Electrolytic, 3.3 μF 50WV | |
| C304 | YESCC191 | Ceramic, 2.2 μF | |
| C308 | YESCC230 | Ceramic, 0.33 μF 16WV | |
| C309 | YESCC276 | Electrolytic, 10 μF 16WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C310 | YESCC313 | Electrolytic, 220 μF 10WV | |
| C320 | YESCC312 | Electrolytic, 2.2 μF 50WV | |
| C325 | YECUS1H221JC | Ceramic, 220pF 50WV | |
| C339 | YESCC231 | Ceramic, 0.022 μF 25WV | |
| C345 | YESCC276 | Electrolytic, 10 μF 16WV | D |
| C361 | YESCC282 | Electrolytic, 4.7 μF 50WV | |
| C363 | YESCC229 | Ceramic, 1 μF 16WV | |
| C365 | YESCC282 | Electrolytic, 4.7 μF 50WV | |
| C367 | YESCC229 | Ceramic, 1 μF 16WV | |
| C371 | YESCC235 | Ceramic, 0.0047 μF 50WV | |
| C372 | YESCC235 | Ceramic, 0.0047 μF 50WV | |
| C375 | YESCC276 | Electrolytic, 10 μF 16WV | |
| C378 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C381 | YESCC233 | Ceramic, 0.001 μF 50WV | |
| C401 | YECUS1H150JC | Ceramic, 15pF 50WV | |
| C402 | YECUS1H150JC | Ceramic, 15pF 50WV | |
| C403 | YESCC275 | Electrolytic, 100 μF 6.3WV | |
| C404 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C405 | F1J1H101A025 | Ceramic, 100pF 50WV | |
| C411 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C412 | YESCC231 | Ceramic, 0.022 μF 25WV | |
| C413 | ECQV1H224JL2 | Plastic Film, 0.22 μF 50WV | |
| C417 | YESCC311 | Electrolytic, 680 μF 16WV | |
| C420 | YECUS1H470JC | Ceramic, 47pF 50WV | |
| C421 | YECUS1H470JC | Ceramic, 47pF 50WV | |
| C601 | YESCC279 | Electrolytic, 0.047 μF 6.3WV | |
| C602 | YESCC315 | Electrolytic, 330 μF 6.3WV | |
| C605 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C624 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C628 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C631 | YESCC229 | Ceramic, 1 μF 16WV | |
| C634 | YECUS1H220JC | Ceramic, 22pF 50WV | |
| C635 | YECUS1H220JC | Ceramic, 22pF 50WV | |
| C650 | YESCC234 | Ceramic, 0.01 μF 50WV | |
| C660 | YESCC312 | Electrolytic, 2.2 μF 50WV | |
| C680 | YESCC191 | Ceramic, 2.2 μF | |
| C681 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C683 | YESCC282 | Electrolytic, 4.7 μF 50WV | |
| C687 | YESCC309 | Electrolytic, 47 μF 16WV | |
| C688 | YESCC228 | Ceramic, 0.1 μF 16WV | |
| C689 | YESCC191 | Ceramic, 2.2 μF | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C701 | YESCC308 | Electrolytic, 100 μ F 16WV | |
| C702 | YESCC282 | Electrolytic, 4.7 μ F 50WV | |
| C703 | YESCC308 | Electrolytic, 100 μ F 16WV | |
| C704 | YESCC283 | Electrolytic, 47 μ F 6.3WV | |
| C705 | YESCC273 | Electrolytic, 1 μ F 50WV | |
| C706 | YESCC312 | Electrolytic, 2.2 μ F 50WV | |
| C708 | YESCC313 | Electrolytic, 220 μ F 10WV | |
| C709 | YESCC308 | Electrolytic, 100 μ F 16WV | |
| C710 | YESCC308 | Electrolytic, 100 μ F 16WV | |
| C711 | YESCC229 | Ceramic, 1 μ F 16WV | |
| C712 | YESCC229 | Ceramic, 1 μ F 16WV | |
| C713 | YESCC255 | Ceramic, 0.047 μ F 50WV | |
| C715 | YESCC311 | Electrolytic, 680 μ F 16WV | |
| C716 | YESCC311 | Electrolytic, 680 μ F 16WV | |
| C717 | YESCC228 | Ceramic, 0.1 μ F 16WV | |
| C718 | YESCC229 | Ceramic, 1 μ F 16WV | |
| C753 | YESCC228 | Ceramic, 0.1 μ F 16WV | |
| C770 | YESCC200 | Ceramic, 0.22 μ F 25WV | |
| C771 | YESCC276 | Electrolytic, 10 μ F 16WV | |
| C772 | YESCC200 | Ceramic, 0.22 μ F 25WV | |
| C781 | YESCC308 | Electrolytic, 100 μ F 16WV | |
| C786 | YESCC228 | Ceramic, 0.1 μ F 16WV | |
| C787 | YESCC275 | Electrolytic, 100 μ F 6.3WV | |
| C788 | YESCC228 | Ceramic, 0.1 μ F 16WV | |
| C789 | YESCC308 | Electrolytic, 100 μ F 16WV | |
| C791 | YESCC228 | Ceramic, 0.1 μ F 16WV | |
| C792 | YESCC234 | Ceramic, 0.01 μ F 50WV | |
| C793 | YESCC200 | Ceramic, 0.22 μ F 25WV | |
| C795 | YESCC313 | Electrolytic, 220 μ F 10WV | |
| C796 | YESCC313 | Electrolytic, 220 μ F 10WV | |
| C797 | YESCC234 | Ceramic, 0.01 μ F 50WV | |
| C798 | YESCC228 | Ceramic, 0.1 μ F 16WV | |
| C799 | YESCC255 | Ceramic, 0.047 μ F 50WV | |
| | | | |
| | | | |
| RESISTORs | | | |
| J801 | YESRG132 | Chip, 0 Ω 1/4W | D |
| J802-808 | YESRG132 | Chip, 0 Ω 1/4W | |
| J810-813 | YESRG132 | Chip, 0 Ω 1/4W | |
| J815 | YESRG132 | Chip, 0 Ω 1/4W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| J816 | YESRG132 | Chip, 0 Ω 1/4W | D |
| J817 | YESRG132 | Chip, 0 Ω 1/4W | |
| J818 | YESRG132 | Chip, 0 Ω 1/4W | |
| J820 | YESRG132 | Chip, 0 Ω 1/4W | |
| J823 | YESRG132 | Chip, 0 Ω 1/4W | |
| J824-827 | YESRG132 | Chip, 0 Ω 1/4W | |
| J829 | YESRG132 | Chip, 0 Ω 1/4W | D |
| J830-837 | YESRG132 | Chip, 0 Ω 1/4W | |
| J839-844 | YESRG132 | Chip, 0 Ω 1/4W | |
| J846-856 | YESRG132 | Chip, 0 Ω 1/4W | |
| J858 | YESRG132 | Chip, 0 Ω 1/4W | D |
| J860-875 | YESRG132 | Chip, 0 Ω 1/4W | |
| J877 | YESRG132 | Chip, 0 Ω 1/4W | |
| J879 | YESRG132 | Chip, 0 Ω 1/4W | |
| J880 | YESRG132 | Chip, 0 Ω 1/4W | |
| J881 | YESRG132 | Chip, 0 Ω 1/4W | |
| J890 | YESRG132 | Chip, 0 Ω 1/4W | |
| J901 | YESRG093 | Chip, 0 Ω 1/8W | |
| J902 | YESRG093 | Chip, 0 Ω 1/8W | |
| J904 | YESRG093 | Chip, 0 Ω 1/8W | |
| J905 | YESRG093 | Chip, 0 Ω 1/8W | |
| J906 | YESRG093 | Chip, 0 Ω 1/8W | |
| J909-919 | YESRG093 | Chip, 0 Ω 1/8W | |
| J921-924 | YESRG093 | Chip, 0 Ω 1/8W | |
| J925 | YESRG093 | Chip, 0 Ω 1/8W | D |
| J926-929 | YESRG093 | Chip, 0 Ω 1/8W | |
| J950 | YESRG093 | Chip, 0 Ω 1/8W | |
| J951 | YESRG093 | Chip, 0 Ω 1/8W | |
| L292 | YESRG093 | Chip, 0 Ω 1/8W | D |
| L298 | YESRG093 | Chip, 0 Ω 1/8W | |
| L398 | YESRG093 | Chip, 0 Ω 1/8W | |
| R50 | YESRG127 | Chip, 5.6 Ω 1/8W | |
| R51 | YESRG093 | Chip, 0 Ω 1/8W | |
| R52 | YESRG094 | Chip, 100 Ω 1/8W | |
| R53 | YESRG107 | Chip, 220 Ω 1/8W | |
| R58 | YESRG131 | Chip, 8.2k Ω 1/8W | |
| R59 | YESRG097 | Chip, 100k Ω 1/8W | |
| R60 | YESRG115 | Chip, 33k Ω 1/8W | |
| R65 | YESRG117 | Chip, 39k Ω 1/8W | |
| R201 | YESRG134 | Chip, 1k Ω 1/4W | |
| R202 | YESRG095 | Chip, 1k Ω 1/8W | |
| R203 | YESRG120 | Chip, 47k Ω 1/8W | |
| R204 | YESRG125 | Chip, 5.6k Ω 1/8W | |
| R205 | YESRG096 | Chip, 10k Ω 1/8W | |
| R207 | YESRG136 | Chip, 100k Ω 1/4W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R208 | YESRG144 | Chip, 36k Ω 1/4W | |
| R225 | YESRG095 | Chip, 1k Ω 1/8W | |
| R226 | YESRG095 | Chip, 1k Ω 1/8W | |
| R227 | YESRG093 | Chip, 0 Ω 1/8W | |
| R231 | YESRG146 | Chip, 3.9k Ω 1/4W | D |
| R233 | YESRG096 | Chip, 10k Ω 1/8W | D |
| R235 | YESRG096 | Chip, 10k Ω 1/8W | |
| R237 | YESRG093 | Chip, 0 Ω 1/8W | D |
| R248 | YESRG102 | Chip, 18 Ω 1/8W | D |
| R261 | YESRG103 | Chip, 180 Ω 1/8W | |
| R262 | YESRG096 | Chip, 10k Ω 1/8W | |
| R263 | YESRG124 | Chip, 560 Ω 1/8W | |
| R265 | YESRG103 | Chip, 180 Ω 1/8W | |
| R266 | YESRG096 | Chip, 10k Ω 1/8W | |
| R267 | YESRG124 | Chip, 560 Ω 1/8W | |
| R275 | YESRG109 | Chip, 22k Ω 1/8W | |
| R280 | YESRG097 | Chip, 100k Ω 1/8W | |
| R283 | YESRG115 | Chip, 33k Ω 1/8W | |
| R301 | YESRG134 | Chip, 1k Ω 1/4W | |
| R302 | YESRG134 | Chip, 1k Ω 1/4W | |
| R303 | YESRG120 | Chip, 47k Ω 1/8W | |
| R304 | YESRG125 | Chip, 5.6k Ω 1/8W | |
| R305 | YESRG096 | Chip, 10k Ω 1/8W | |
| R307 | YESRG136 | Chip, 100k Ω 1/4W | |
| R308 | YESRG144 | Chip, 36k Ω 1/4W | |
| R325 | YESRG096 | Chip, 10k Ω 1/8W | |
| R326 | YESRG096 | Chip, 10k Ω 1/8W | |
| R331 | YESRG116 | Chip, 3.9k Ω 1/8W | D |
| R345 | YESRG138 | Chip, 180 Ω 1/4W | D |
| R346 | YESRG109 | Chip, 22k Ω 1/8W | D |
| R348 | YESRG102 | Chip, 18 Ω 1/8W | D |
| R361 | YESRG103 | Chip, 180 Ω 1/8W | |
| R362 | YESRG096 | Chip, 10k Ω 1/8W | |
| R363 | YESRG124 | Chip, 560 Ω 1/8W | |
| R365 | YESRG138 | Chip, 180 Ω 1/4W | |
| R366 | YESRG096 | Chip, 10k Ω 1/8W | |
| R367 | YESRG124 | Chip, 560 Ω 1/8W | |
| R381 | YESRG120 | Chip, 47k Ω 1/8W | |
| R382 | YESRG096 | Chip, 10k Ω 1/8W | |
| R383 | YESRG120 | Chip, 47k Ω 1/8W | |
| R384 | YESRG096 | Chip, 10k Ω 1/8W | |
| R401 | YESRG100 | Chip, 1.5k Ω 1/8W | |
| R402 | YESRG109 | Chip, 22k Ω 1/8W | |
| R403 | YESRG120 | Chip, 47k Ω 1/8W | |
| R408 | YESRG148 | Chip, 47k Ω 1/4W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R413 | YESRG104 | Chip, 1.8k Ω 1/8W | |
| R414 | YESRG124 | Chip, 560 Ω 1/8W | |
| R417 | YESRG133 | Chip, 10 Ω 1/4W | |
| R422 | YESRG141 | Chip, 2.2k Ω 1/4W | |
| R424 | YESRG141 | Chip, 2.2k Ω 1/4W | |
| R426 | YESRG107 | Chip, 220 Ω 1/8W | |
| R510 | YESRG093 | Chip, 0 Ω 1/8W | |
| R601 | YESRG097 | Chip, 100k Ω 1/8W | |
| R603 | YESRG134 | Chip, 1k Ω 1/4W | |
| R604 | YESRG120 | Chip, 47k Ω 1/8W | |
| R605 | YESRG095 | Chip, 1k Ω 1/8W | |
| R609 | YESRG101 | Chip, 150k Ω 1/8W | |
| R610 | YESRG097 | Chip, 100k Ω 1/8W | |
| R611 | YESRG147 | Chip, 4.7k Ω 1/4W | |
| R612 | YESRG134 | Chip, 1k Ω 1/4W | |
| R618 | YESRG136 | Chip, 100k Ω 1/4W | |
| R619 | YESRG134 | Chip, 1k Ω 1/4W | |
| R620 | YESRG134 | Chip, 1k Ω 1/4W | |
| R621 | YESRG095 | Chip, 1k Ω 1/8W | |
| R622 | YESRG095 | Chip, 1k Ω 1/8W | |
| R623 | YESRG134 | Chip, 1k Ω 1/4W | |
| R624 | YESRG119 | Chip, 4.7k Ω 1/8W | |
| R625 | YESRG096 | Chip, 10k Ω 1/8W | |
| R626 | YESRG131 | Chip, 8.2k Ω 1/8W | |
| R627 | YESRG097 | Chip, 100k Ω 1/8W | |
| R628 | YESRG139 | Chip, 180k Ω 1/4W | |
| R629 | YESRG151 | Chip, 82k Ω 1/4W | C |
| R631 | YESRG093 | Chip, 0 Ω 1/8W | |
| R632 | YESRG093 | Chip, 0 Ω 1/8W | |
| R633 | YESRG119 | Chip, 4.7k Ω 1/8W | |
| R638 | YESRG095 | Chip, 1k Ω 1/8W | |
| R640 | YESRG120 | Chip, 47k Ω 1/8W | |
| R641 | YESRG120 | Chip, 47k Ω 1/8W | |
| R642 | YESRG128 | Chip, 680 Ω 1/8W | |
| R643 | YESRG095 | Chip, 1k Ω 1/8W | |
| R644 | YESRG114 | Chip, 330 Ω 1/8W | |
| R645 | YESRG114 | Chip, 330 Ω 1/8W | |
| R650 | YESRG097 | Chip, 100k Ω 1/8W | |
| R651 | YESRG097 | Chip, 100k Ω 1/8W | |
| R652 | YESRG136 | Chip, 100k Ω 1/4W | |
| R653 | YESRG097 | Chip, 100k Ω 1/8W | |
| R657 | YESRG097 | Chip, 100k Ω 1/8W | |
| R659 | YESRG095 | Chip, 1k Ω 1/8W | |
| R660 | YESRG111 | Chip, 270 Ω 1/8W | |
| R661 | YESRG125 | Chip, 5.6k Ω 1/8W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R662 | YESRG086 | Carbon, 47k Ω 1/4W | |
| R666 | YESRG150 | Chip, 5.6 Ω 1/4W | |
| R667 | YESRG096 | Chip, 10k Ω 1/8W | |
| R668 | YESRG134 | Chip, 1k Ω 1/4W | |
| R672 | YESRG095 | Chip, 1k Ω 1/8W | |
| R673 | YESRG139 | Chip, 180k Ω 1/4W | |
| R674 | YESRG095 | Chip, 1k Ω 1/8W | |
| R676 | YESRG095 | Chip, 1k Ω 1/8W | |
| R678 | YESRG095 | Chip, 1k Ω 1/8W | |
| R679 | YESRG095 | Chip, 1k Ω 1/8W | |
| R680 | YESRG097 | Chip, 100k Ω 1/8W | |
| R681 | YESRG084 | Carbon, 1k Ω 1/4W | |
| R682 | YESRG113 | Chip, 27k Ω 1/8W | |
| R683 | YESRG097 | Chip, 100k Ω 1/8W | |
| R684 | YESRG097 | Chip, 100k Ω 1/8W | |
| R685 | YESRG134 | Chip, 1k Ω 1/4W | |
| R687 | YESRG084 | Carbon, 1k Ω 1/4W | |
| R690 | YESRG084 | Carbon, 1k Ω 1/4W | |
| R691 | YESRG095 | Chip, 1k Ω 1/8W | |
| R692 | YESRG114 | Chip, 330 Ω 1/8W | |
| R693 | YESRG095 | Chip, 1k Ω 1/8W | |
| R694 | YESRG095 | Chip, 1k Ω 1/8W | |
| R695 | YESRG084 | Carbon, 1k Ω 1/4W | |
| R696 | YESRG095 | Chip, 1k Ω 1/8W | |
| R697 | YESRG120 | Chip, 47k Ω 1/8W | |
| R698 | YESRG120 | Chip, 47k Ω 1/8W | |
| R699 | YESRG120 | Chip, 47k Ω 1/8W | |
| R700 | YESRG097 | Chip, 100k Ω 1/8W | |
| R701 | YESRG133 | Chip, 10 Ω 1/4W | |
| R702 | YESRG134 | Chip, 1k Ω 1/4W | |
| R703 | YESRG096 | Chip, 10k Ω 1/8W | |
| R704 | YESRG129 | Chip, 680k Ω 1/8W | |
| R705 | YESRG115 | Chip, 33k Ω 1/8W | |
| R706 | YESRG106 | Chip, 200k Ω 1/8W | |
| R707 | YESRG099 | Chip, 12k Ω 1/8W | |
| R708 | YESRG098 | Chip, 11k Ω 1/8W | |
| R709 | YESRG148 | Chip, 47k Ω 1/4W | |
| R710 | YESRG153 | Chip, 820 Ω 1/4W | |
| R711 | YESRG153 | Chip, 820 Ω 1/4W | |
| R712 | YESRG149 | Chip, 560 Ω 1/4W | |
| R713 | YESRG140 | Chip, 1 Ω 1/4W | |
| R714 | YESRG053 | Carbon, 1k Ω 1/2W | |
| R715 | YESRG090 | Chip, 10k Ω 1/8W | |
| R716 | YESRG092 | Chip, 3.6k Ω 1/8W | |
| R717 | YESRG091 | Chip, 180 Ω 1/8W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R719 | YESRG083 | Carbon, 3.3k Ω 1/2W | |
| R732 | YESRG109 | Chip, 22k Ω 1/8W | |
| R733 | YESRG109 | Chip, 22k Ω 1/8W | |
| R753 | YESRG084 | Carbon, 1k Ω 1/4W | |
| R758 | YESRG105 | Chip, 18k Ω 1/8W | |
| R770 | YESRG087 | Carbon, 820 Ω 1/4W | |
| R771 | YESRG140 | Chip, 1 Ω 1/4W | |
| R781 | YESRG145 | Chip, 390 Ω 1/4W | |
| R782 | YESRG089 | Chip, 0.47 Ω 1W | |
| R816 | YESRG097 | Chip, 100k Ω 1/8W | |
| R817 | YESRG148 | Chip, 47k Ω 1/4W | |
| R820 | YESRG141 | Chip, 2.2k Ω 1/4W | |
| R821 | YESRG095 | Chip, 1k Ω 1/8W | |
| R822 | YESRG134 | Chip, 1k Ω 1/4W | |
| | | | |
| | | | |
| CONNECTORs | | | |
| CN251 | YESAJ07008 | RCA Wire (CD.C-IN) | |
| CN253 | YESAJ07009 | RCA Wire (S.W-OUT) | D |
| CN601 | YESAE363 | Connector 15P | |
| CN602 | YESAE339 | Connector 4P | |
| CN661 | YESAJ07017 | Wire Connector 8P | |
| CN681 | YESAE340 | Connector 22P | |
| CN701 | YESAE351 | Connector 16P | |
| J1 | K2HA104B0010 | Jack, RCA | |
| J11 | YESAE343 | DIN Jack | |
| | | | |
| | | | |
| COILs | | | |
| L50 | YESLQ028 | Coil | |
| L51 | G1C150K00011 | Coil | |
| L401 | YESLQ017 | Coil | |
| L702 | G0A161J00001 | Coil | |
| L709 | YESLQ027 | Coil | |
| L710 | YESLQ012 | Coil | |
| | | | |
| | | | |
| CRYSTALs | | | |
| XL401 | YESXL021 | Crystal | |
| XL601 | YESXL017 | Crystal | |
| XL602 | H0A327200080 | Crystal | |
| | | | |
| | | | |
| POSISTOR | | | |
| PH701 | YERT7AR4R7MT | Posistor | |
| | | | |
| | | | |
| SERGE PROTECTOR, VARISTOR | | | |
| Z50 | YESRTD008 | Serge Protector | |
| Z701 | YESRTD009 | Varistor | |
| | | | |

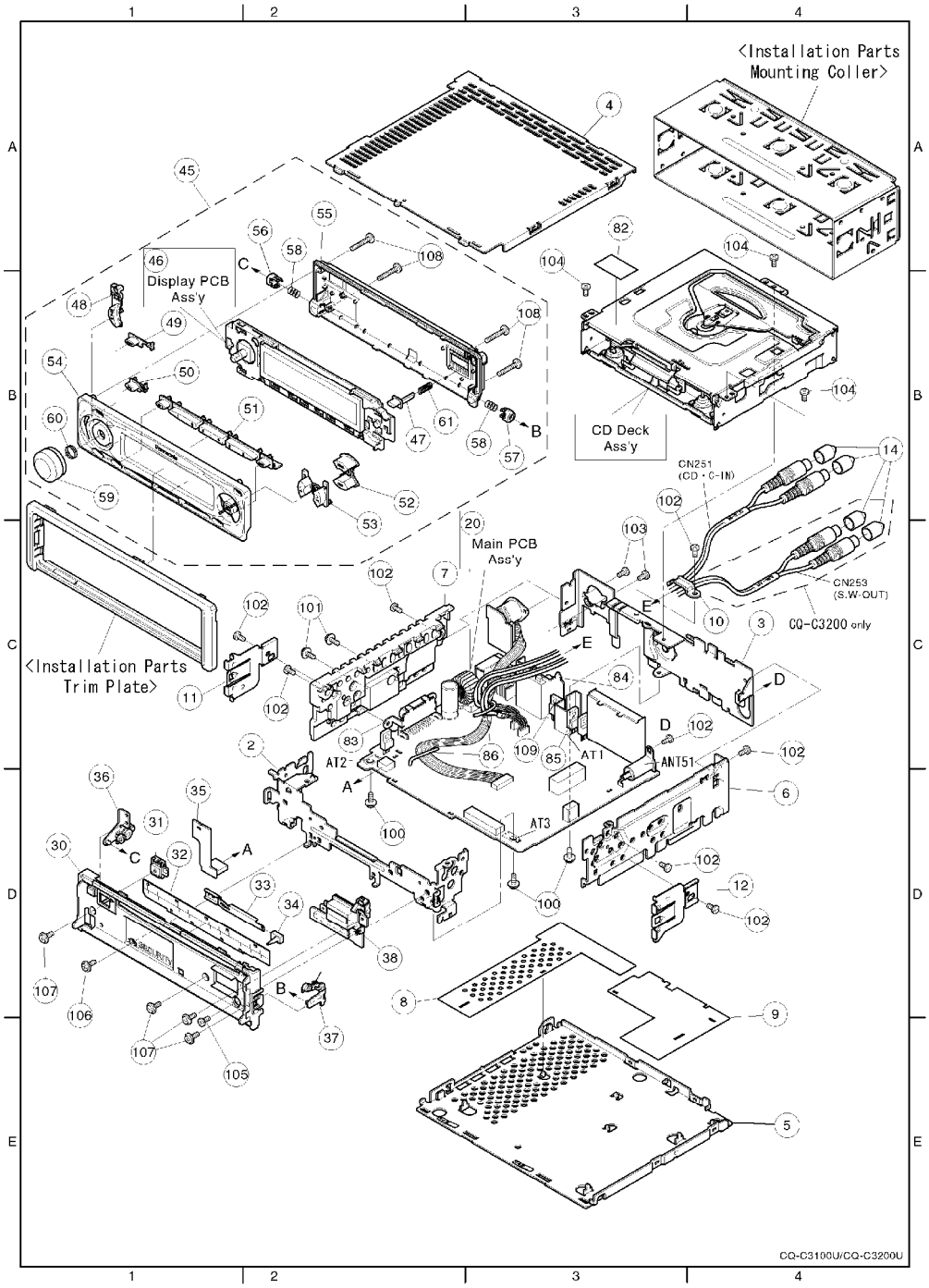
| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| | | | |
| SWITCH | | | |
| SW601 | YEAS08042 | Switch | |
| | | | |
| | | | |
| | | | |
| [7204-05-01] Display Block | | | |
| IC's | | | |
| IC901 | YEAMLC75854T | IC | |
| IC905 | B3MBZ0000006 | IC | |
| | | | |
| | | | |
| DIODEs | | | |
| D901 | YESAD124 | LED | |
| D903 | YESAD124 | LED | |
| D905 | YESAD124 | LED | |
| D906 | YESAD124 | LED | |
| D902 | B3AAB0000143 | LED | |
| D904 | B3AAB0000143 | LED | |
| D907 | B3AAB0000143 | LED | |
| D908 | B3AAB0000143 | LED | |
| D909 | B3AAB0000143 | LED | |
| D910 | B3AAB0000143 | LED | |
| D911 | B3AAB0000143 | LED | |
| D912 | B3AAB0000143 | LED | |
| D913 | B3AAB0000143 | LED | |
| D914 | B3AAB0000143 | LED | |
| D915 | B3AAB0000143 | LED | |
| D926 | YESAD115 | Zener Diode | |
| D927 | YESAD115 | Zener Diode | |
| D928 | YESAD115 | Zener Diode | |
| D929 | YESAD115 | Zener Diode | |
| D940 | B3AFB0000039 | LED | |
| D941 | B3AFB0000039 | LED | |
| D942 | YESAD127 | Zener Diode | |
| D943 | YESAD127 | Zener Diode | |
| | | | |
| | | | |
| CAPACITORs | | | |
| C910 | YESCC233 | Ceramic, 0.001 μ F 50WV | |
| C911 | YESCC229 | Ceramic, 1 μ F 16WV | |
| C912 | YESCC229 | Ceramic, 1 μ F 16WV | |
| C923 | F1J1H681A025 | Ceramic, 680pF 50WV | |
| | | | |
| | | | |
| RESISTORs | | | |
| J101 | YESRG093 | Chip, 0 Ω 1/8W | |
| J102 | YESRG093 | Chip, 0 Ω 1/8W | |
| R943 | YESRG093 | Chip, 0 Ω 1/8W | |
| R957 | YESRG093 | Chip, 0 Ω 1/8W | |
| R966 | YESRG093 | Chip, 0 Ω 1/8W | |
| R906 | YESRG094 | Chip, 100 Ω 1/8W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R907 | YESRG134 | Chip, 1k Ω 1/4W | |
| R908 | YESRG095 | Chip, 1k Ω 1/8W | |
| R909 | YESRG095 | Chip, 1k Ω 1/8W | |
| R910 | YESRG095 | Chip, 1k Ω 1/8W | |
| R911 | YESRG095 | Chip, 1k Ω 1/8W | |
| R964 | YESRG095 | Chip, 1k Ω 1/8W | |
| R938 | YESRG121 | Chip, 4.7k Ω 1/8W | |
| R939 | YESRG121 | Chip, 4.7k Ω 1/8W | |
| R941 | YESRG096 | Chip, 10k Ω 1/8W | |
| R942 | YESRG120 | Chip, 47k Ω 1/8W | |
| R951 | YESRG103 | Chip, 180 Ω 1/8W | |
| R952 | YESRG103 | Chip, 180 Ω 1/8W | |
| R953 | YESRG122 | Chip, 510 Ω 1/8W | |
| R954 | YESRG122 | Chip, 510 Ω 1/8W | |
| R955 | YESRG122 | Chip, 510 Ω 1/8W | |
| R956 | YESRG130 | Chip, 820 Ω 1/8W | |
| | | | |
| | | | |
| CONNECTORs | | | |
| CN901 | YEAE012760 | Connector 14P | |
| | | | |
| | | | |
| SWITCHes | | | |
| SW901 | YESAS121 | Switch | |
| SW903 | K0H1BA000445 | Switch | |
| SW904 | K0H1BA000445 | Switch | |
| SW905 | K0H1BA000445 | Switch | |
| SW907 | K0H1BA000445 | Switch | |
| SW908 | K0H1BA000445 | Switch | |
| SW909 | K0H1BA000445 | Switch | |
| SW910 | K0H1BA000445 | Switch | |
| SW911 | K0H1BA000445 | Switch | |
| SW912 | K0H1BA000445 | Switch | |
| SW913 | K0H1BA000445 | Switch | |
| SW914 | K0H1BA000445 | Switch | |
| SW915 | K0H1BA000445 | Switch | |
| SW916 | K0H1BA000445 | Switch | |
| SW917 | K0H1BA000445 | Switch | |
| SW918 | K0H1BA000445 | Switch | |
| | | | |
| | | | |
| | | | |
| [7201-02-13] Eject Switch Block | | | |
| DIODEs | | | |
| D947 | B3ABB0000154 | LED | |
| D948 | B3ABB0000154 | LED | |
| | | | |
| CONNECTOR | | | |
| CJ642 | K1KA04A00296 | Connector 4P | |
| | | | |
| SWITCHes | | | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| SW610 | K0H1BA000445 | Switch | |
| | | | |
| | | | |
| | | | |
| [7201-02-14] Connector Block | | | |
| CONNECTORs | | | |
| CN640 | K1KA15A00096 | Connector 15P | |
| CP641 | YEAE012761 | Connector 14P | |
| | | | |
| | | | |
| | | | |
| Accessories | | | |
| PRINTING | | | |
| | YEFM284143 | Operating Instructions | |
| | | | |
| | | | |
| INSTALLATION PARTS | | | |
| | YESAJ01224 | Power Connector | |
| | YESFZ259 | Remote Control Unit | |
| | CR2025/1F | Lithium Battery | ⚠ |
| | YESFZ257 | Screw Kit | |
| | YEFA131839 | Removable Face Plate Case | |
| | YESFX021127 | Rear Support Strap | |
| | YESFX018006 | Mounting Collar | |
| | YESFC05019 | Trim Plate | |
| | | | |
| | | | |
| | | | |
| MECHANICAL PARTS | | | |
| MISCELLANEOUS | | | |
| ANT51 | YM104C700ZA | Antenna Receptacle | |
| AT1 | YESAT01028 | Earth Terminal | |
| AT2 | YESAT01028 | Earth Terminal | |
| AT3 | YESAT01028 | Earth Terminal | |
| 2 | YESFA01071 | Front Chassis | |
| 3 | YESFA08014 | Rear Plate | |
| 4 | YESFA03053 | Top Cover A | |
| 5 | YESFA05034 | Bottom Cover Assy | |
| 6 | YESFA09004 | Side Plate | |
| 7 | YESFF01081 | Heat Sink | |
| 8 | YESFV01061 | Insulated Sheet L | |
| 9 | YESFV01062 | Insulated Sheet R | |
| 10 | YESFX007024 | Cord Clamper | C |
| 10 | YESFX007025 | Cord Clamper | D |
| 11 | YESFX005133 | Plate Spring L | |
| 12 | YESFX005134 | Plate Spring R | |
| 14 | YESFR04010 | RCA Cap | |
| 20 | YESAP308 | Main PCB Ass'y | C, RTL |
| 20 | YESAP309 | Main PCB Ass'y | D, RTL |
| 30 | YESFC02115 | Escutcheon | |
| 31 | YESFE13116 | Eject Button | |
| 32 | YESFS04016 | Dust Felt | |
| 33 | YESFX999053 | Lever Spring Detect | |
| 34 | YEFX9992957 | Cap Lever Detect | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 35 | YESAP253 | Eject PCB Assy | RTL |
| 36 | YESFX999050 | Bracket Arm L Assy | |
| 37 | YESFX999051 | Bracket Arm R Assy | |
| 38 | YESAP252 | CN PCB/BKT Hook Assy | RTL |
| 45 | YESSDF0121 | Removable Face Plate Unit | C, RTL |
| 45 | YESSDF0124 | Removable Face Plate Unit | D, RTL |
| 46 | YESAP313 | Display PCB Ass'y | RTL |
| 47 | YESFE13161 | Open Button | |
| 48 | YESFE13162 | Source Button | |
| 49 | YESFE13163 | S HDB Button | |
| 50 | YESFE13164 | D-M Button | |
| 51 | YESFE13165 | Preset Button | |
| 52 | YESFE13167 | Level/Disp Button | |
| 53 | YESFE13166 | T-Track L Button | |
| 54 | YESFC02120 | Escutheon Ass'y | C |
| 54 | YESFC02119 | Escutheon Ass'y | D |
| 55 | YESFA07010 | Rear Cover | |
| 56 | YESFX999054 | Rear Cover Metal L | |
| 57 | YESFX999055 | Rear Cover Metal R | |
| 58 | YESFX005135 | Metal Spring | |
| 59 | YESFE02021 | Vol Knob B | |
| 60 | YESFX005131 | Knob Spring | |
| 61 | YESFX005136 | Open Button Spring | |
| 82 | YESFM01080 | Laser Seal (English) | |
| 83 | YESFX021129 | Power IC Bracket | |
| 84 | YESFX021130 | RCA Bracket | |
| 85 | YESFX014007 | Rivet | |
| 86 | YESFX007023 | Style Pin | |
| 100 | YESJS01160 | Cup Screw S Tite 3*6 | |
| 101 | YESJS01160 | Cap Screw 3*6 | |
| 102 | YESJT03067 | Tapping Bind Screw S Tite M3*6 | |
| 103 | YESJS01166 | Screw Bind 3*6 | |
| 104 | YESJT03066 | Tapping Bind Screw S Tite M2.6*5 | |
| 105 | YESJS01163 | Bind S Tite 3*6 | |
| 106 | YESJS01161 | Cap Screw 2*5 Black CR | |
| 107 | YESJS01159 | Cap Screw 2*4 | |
| 108 | YESJS01164 | P Tite 2*8 Black CR | |
| 109 | YESJT03069 | Tapping Bind Screw 2.6*8 | |
| | | | |

# 15. EXPLODED VIEW (Unit) [CQ-C3100U/CQ-C3200U]




# 16. CD PLAYER PARTS LIST / [CQ-C3300U/CQ-C3400U]

**Notes :**

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have**

**special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   **- Order intake period is basically six months after the first shipment.**

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| [3032-14-05] CD Servo Block | | | |
| IC's and TRANSISTORs | | | |
| IC201 | MN6627482WB | IC | |
| IC202 | YESAM163 | IC | |
| IC203 | YESAM166 | IC | |
| IC204 | M5218AFP | IC | |
| IC401 | YESAM176 | IC | |
| IC402 | YESAM224 | IC | |
| IC406 | YESAM171 | IC | |
| IC409 | YESAM167 | IC | |
| IC411 | YESAM178 | IC | |
| Q101 | B1BDBC000001 | Transistor | |
| Q201 | B1BDBC000001 | Transistor | |
| Q203 | YESAN060 | Transistor | |
| | | | |
| | | | |
| CAPACITORs | | | |
| C101 | YESCC203 | Ceramic, 220pF 50WV | |
| C102 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C103 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C104 | YESCC206 | Ceramic, 0.047 μF 25WV | |
| C105 | F1H1H2220004 | Ceramic, 0.0022 μF 50WV | |
| C106 | YESCC207 | Ceramic, 0.001 μF 50WV | |
| C107 | YESCC206 | Ceramic, 0.047 μF 25WV | |
| C108 | YESCC204 | Ceramic, 330pF 50WV | |
| C109 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C110 | YESCC187 | Ceramic, 0.1 μF 25WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C111 | YESCC299 | Ceramic, 0.022 μ F 50WV | |
| C112 | YESCC183 | Ceramic, 0.0022 μ F 50WV | |
| C113 | YESCC208 | Ceramic, 0.0015 μ F 50WV | |
| C114 | YESCC207 | Ceramic, 0.001 μ F 50WV | |
| C115 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C116 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C121 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C122 | YESCC207 | Ceramic, 0.001 μ F 50WV | |
| C123 | YESCC299 | Ceramic, 0.022 μ F 50WV | |
| C124 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C125 | YESCC207 | Ceramic, 0.001 μ F 50WV | |
| C126 | YESCC210 | Ceramic, 0.1 μ F 16WV | |
| C127 | YESCC207 | Ceramic, 0.001 μ F 50WV | |
| C128 | YESCC205 | Ceramic, 0.22 μ F 10WV | |
| C129 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C130 | YESCC207 | Ceramic, 0.001 μ F 50WV | |
| C131 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C132 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C135 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C136 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C137 | YESCC210 | Ceramic, 0.1 μ F 16WV | |
| C138 | YESCC210 | Ceramic, 0.1 μ F 16WV | |
| C139 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C140 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C141 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C151 | YESCC188 | Electrolytic, 10 μ F 16WV | |
| C152 | YESCC213 | Electrolytic, 22 μ F 6.3WV | |
| C153 | YESCC213 | Electrolytic, 22 μ F 6.3WV | |
| C154 | YESCC215 | Electrolytic, 220 μ F 10WV | |
| C203 | YESCC209 | Ceramic, 0.0033 μ F 50WV | |
| C204 | YESCC209 | Ceramic, 0.0033 μ F 50WV | |
| C205 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C207 | YESCC187 | Ceramic, 0.1 μ F 25WV | |
| C208 | YESCC202 | Ceramic, 22pF 50WV | |
| C251 | YESCC215 | Electrolytic, 220 μ F 10WV | |
| C252 | YESCC214 | Electrolytic, 47 μ F 6.3WV | |
| C253 | YESCC215 | Electrolytic, 220 μ F 10WV | |
| C301 | YESCC207 | Ceramic, 0.001 μ F 50WV | |
| C302 | YESCC207 | Ceramic, 0.001 μ F 50WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C311 | YESCC207 | Ceramic, 0.001 μF 50WV | |
| C312 | YESCC207 | Ceramic, 0.001 μF 50WV | |
| C321 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C356 | YESCC213 | Electrolytic, 22 μF 6.3WV | |
| C357 | YESCC214 | Electrolytic, 47 μF 6.3WV | |
| C358 | YESCC213 | Electrolytic, 22 μF 6.3WV | |
| C359 | YESCC216 | Electrolytic, 100 μF 16WV | |
| C360 | YESCC188 | Electrolytic, 10 μF 16WV | |
| C401 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C402 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C403 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C404 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C405 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C406 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C407 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C408 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C409 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C410 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C411 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C412 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C413 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C414 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C418 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C426 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C433 | YESCC210 | Ceramic, 0.1 μF 16WV | |
| C434 | YESCC210 | Ceramic, 0.1 μF 16WV | |
| C435 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C436 | YESCC187 | Ceramic, 0.1 μF 25WV | |
| C437 | YESCC210 | Ceramic, 0.1 μF 16WV | |
| C452 | YESCC188 | Electrolytic, 10 μF 16WV | |
| C463 | YESCC214 | Electrolytic, 47 μF 6.3WV | |
| C464 | YESCC214 | Electrolytic, 47 μF 6.3WV | |
| | | | |
| | | | |
| RESISTORs | | | |
| L302 | ERJ6GEY0R00V | Chip, 0 Ω 1/8W | |
| L303 | ERJ6GEY0R00V | Chip, 0 Ω 1/8W | |
| L304 | ERJ6GEY0R00V | Chip, 0 Ω 1/8W | |
| L305 | ERJ6GEY0R00V | Chip, 0 Ω 1/8W | |
| JP101 | ERJ8GEY0R00V | Chip, 0 Ω 1/4W | |
| R101 | ERJ3GEYJ4R7V | Chip, 4.7 Ω 1/10W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R103 | YESRG067 | Chip, 1.5k Ω 1/10W | |
| R104 | YESRG077 | Chip, 470 Ω 1/10W | |
| R105 | YESRG074 | Chip, 2.7k Ω 1/10W | |
| R106 | YESRG025 | Chip, 10k Ω 1/10W | |
| R107 | YESRG074 | Chip, 2.7k Ω 1/10W | |
| R108 | YESRG076 | Chip, 390k Ω 1/10W | |
| R109 | YESRG069 | Chip, 150k Ω 1/10W | |
| R110 | YESRG025 | Chip, 10k Ω 1/10W | |
| R111 | YESRG070 | Chip, 18k Ω 1/10W | |
| R113 | YESRG066 | Chip, 120k Ω 1/10W | |
| R114 | ERJ3GEY0R00V | Chip, 0 Ω 1/10W | |
| R115 | YESRG022 | Chip, 2.2k Ω 1/10W | |
| R116 | YESRG022 | Chip, 2.2k Ω 1/10W | |
| R117 | ERJ3GEY0R00V | Chip, 0 Ω 1/10W | |
| R118 | YESRG068 | Chip, 15k Ω 1/10W | |
| R119 | YESRG021 | Chip, 1k Ω 1/10W | |
| R120 | ERJ3GEY0R00V | Chip, 0 Ω 1/10W | |
| R121 | YESRG072 | Chip, 220k Ω 1/10W | |
| R122 | YESRG081 | Chip, 56k Ω 1/10W | |
| R123 | YESRG066 | Chip, 120k Ω 1/10W | |
| R125 | YESRG077 | Chip, 470 Ω 1/10W | |
| R126 | YESRG074 | Chip, 2.7k Ω 1/10W | |
| R127 | YESRG072 | Chip, 220k Ω 1/10W | |
| R128 | YESRG020 | Chip, 220 Ω 1/10W | |
| R129 | YESRG082 | Chip, 6.8k Ω 1/10W | |
| R130 | YESRG065 | Chip, 1M Ω 1/10W | |
| R131 | YESRG022 | Chip, 2.2k Ω 1/10W | |
| R133 | YESRG022 | Chip, 2.2k Ω 1/10W | |
| R136 | YESRG022 | Chip, 2.2k Ω 1/10W | |
| R137 | YESRG021 | Chip, 1k Ω 1/10W | |
| R138 | YESRG021 | Chip, 1k Ω 1/10W | |
| R139 | YESRG021 | Chip, 1k Ω 1/10W | |
| R140 | YESRG021 | Chip, 1k Ω 1/10W | |
| R141 | YESRG021 | Chip, 1k Ω 1/10W | |
| R142 | YESRG021 | Chip, 1k Ω 1/10W | |
| R143 | YESRG071 | Chip, 2M Ω 1/10W | |
| R201 | YESRG082 | Chip, 6.8k Ω 1/10W | |
| R202 | ERJ3GEY0R00V | Chip, 0 Ω 1/10W | |
| R204 | YESRG021 | Chip, 1k Ω 1/10W | |
| R205 | ERJ3GEY0R00V | Chip, 0 Ω 1/10W | |
| R206 | YESRG070 | Chip, 18k Ω 1/10W | |
| R207 | YESRG078 | Chip, 5.1k Ω 1/10W | |
| R208 | ERJ3GEY0R00V | Chip, 0 Ω 1/10W | |
| R209 | YESRG078 | Chip, 5.1k Ω 1/10W | |
| R210 | ERJ3GEY0R00V | Chip, 0 Ω 1/10W | |

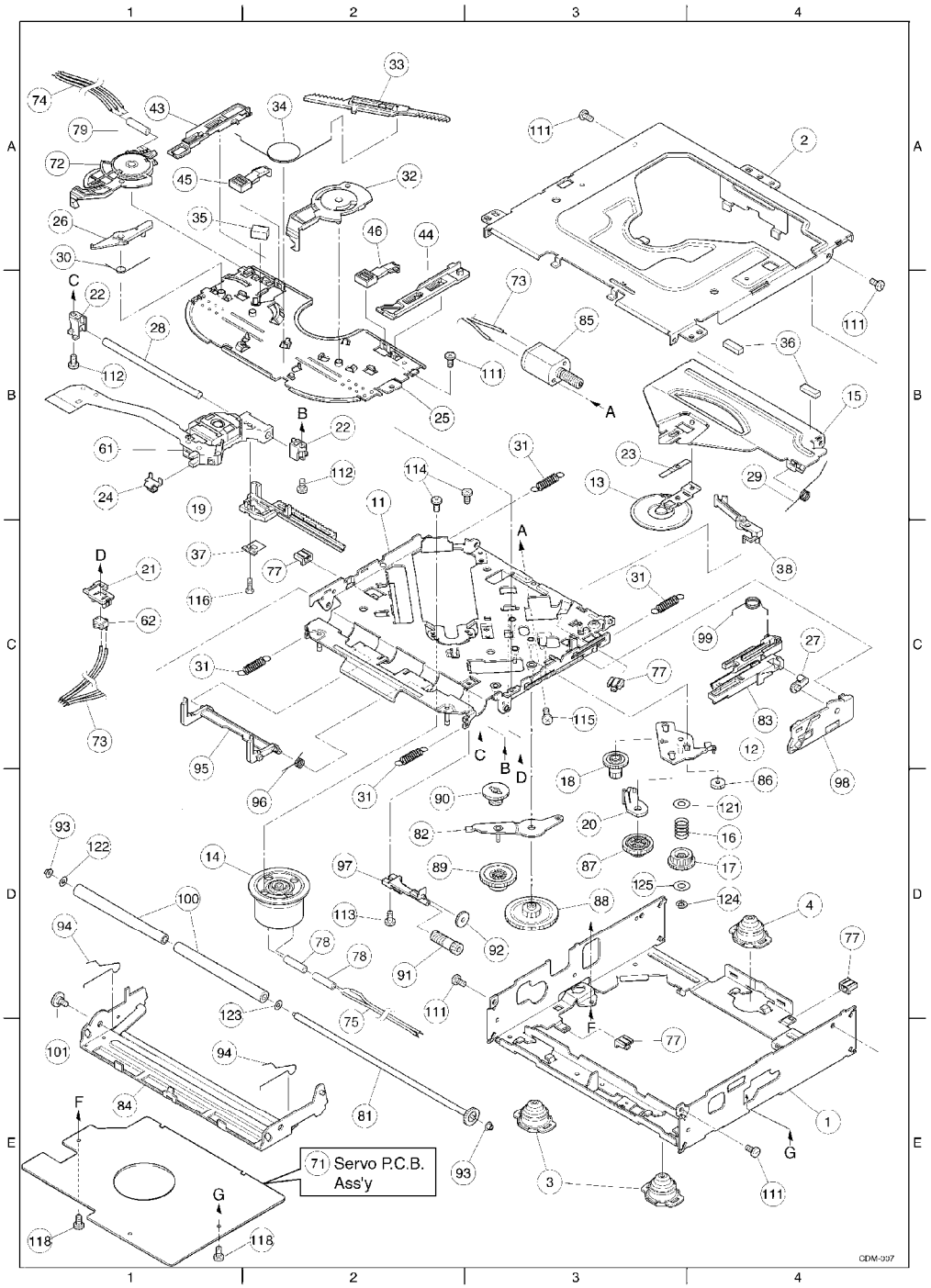
| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R211 | YESRG026 | Chip, 27k Ω 1/10W | |
| R212 | YESRG028 | Chip, 47k Ω 1/10W | |
| R301 | YESRG023 | Chip, 3.9k Ω 1/10W | |
| R302 | YESRG023 | Chip, 3.9k Ω 1/10W | |
| R303 | YESRG068 | Chip, 15k Ω 1/10W | |
| R304 | YESRG025 | Chip, 10k Ω 1/10W | |
| R305 | YESRG020 | Chip, 220 Ω 1/10W | |
| R311 | YESRG023 | Chip, 3.9k Ω 1/10W | |
| R312 | YESRG023 | Chip, 3.9k Ω 1/10W | |
| R313 | YESRG068 | Chip, 15k Ω 1/10W | |
| R314 | YESRG025 | Chip, 10k Ω 1/10W | |
| R315 | YESRG020 | Chip, 220 Ω 1/10W | |
| R322 | YESRG025 | Chip, 10k Ω 1/10W | |
| R323 | YESRG025 | Chip, 10k Ω 1/10W | |
| R324 | YESRG029 | Chip, 100k Ω 1/10W | |
| R325 | YESRG029 | Chip, 100k Ω 1/10W | |
| R326 | YESRG064 | Chip, 100 Ω 1/10W | |
| R327 | YESRG025 | Chip, 10k Ω 1/10W | |
| R328 | YESRG025 | Chip, 10k Ω 1/10W | |
| R329 | YESRG021 | Chip, 1k Ω 1/10W | |
| R401 | YESRG025 | Chip, 10k Ω 1/10W | |
| R402 | YESRG025 | Chip, 10k Ω 1/10W | |
| R403 | YESRG025 | Chip, 10k Ω 1/10W | |
| R404 | YESRG025 | Chip, 10k Ω 1/10W | |
| R408 | YESRG024 | Chip, 4.7k Ω 1/10W | |
| R409 | YESRG024 | Chip, 4.7k Ω 1/10W | |
| R414 | YESRG028 | Chip, 47k Ω 1/10W | |
| R415 | YESRG028 | Chip, 47k Ω 1/10W | |
| R416 | YESRG028 | Chip, 47k Ω 1/10W | |
| R425 | YESRG064 | Chip, 100 Ω 1/10W | |
| R429 | YESRG020 | Chip, 220 Ω 1/10W | |
| R430 | YESRG080 | Chip, 560 Ω 1/10W | |
| R431 | YESRG024 | Chip, 4.7k Ω 1/10W | |
| R432 | YESRG025 | Chip, 10k Ω 1/10W | |
| R434 | YESRG029 | Chip, 100k Ω 1/10W | |
| R435 | YESRG024 | Chip, 4.7k Ω 1/10W | |
| R478 | YESRG079 | Chip, 56 Ω 1/10W | |
| R480 | YESRG079 | Chip, 56 Ω 1/10W | |
| R481 | YESRG024 | Chip, 4.7k Ω 1/10W | |
| R482 | YESRG022 | Chip, 2.2k Ω 1/10W | |
| R483 | YESRG022 | Chip, 2.2k Ω 1/10W | |
| | | | |
| | | | |
| CONNECTORs | | | |
| CN101 | YESAE345 | Connector, 18P | |
| CN102 | YESAE350 | Connector, 16P | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| | | | |
| | | | |
| COILs | | | |
| L401 | YESLQ014 | Coil | |
| L402 | YESLQ014 | Coil | |
| L403 | YESLQ014 | Coil | |
| L301 | YESLQ011 | Coil | |
| R428 | YESLQ025 | Inductor | |
| | | | |
| | | | |
| CRYSTAL | | | |
| X401 | YESXL018 | Crystal | |
| | | | |
| | | | |
| RESITOR NETWORKs | | | |
| RA401 | YESXA003 | Resistor Network, 56 ohms * 4 | |
| RA402 | YESXA003 | Resistor Network, 56 ohms * 4 | |
| RA403 | YESXA003 | Resistor Network, 56 ohms * 4 | |
| RA405 | YESXA003 | Resistor Network, 56 ohms * 4 | |
| RA406 | YESXA003 | Resistor Network, 56 ohms * 4 | |
| RA407 | YESXA003 | Resistor Network, 56 ohms * 4 | |
| RA408 | YESXA003 | Resistor Network, 56 ohms * 4 | |
| RA409 | YESXA003 | Resistor Network, 56 ohms * 4 | |
| RA410 | YESXA003 | Resistor Network, 56 ohms * 4 | |
| RA413 | YESXA003 | Resistor Network, 56 ohms * 4 | |
| RA412 | YESXA002 | Resistor Network, 100 ohms * 4 | |
| RA414 | YESXA002 | Resistor Network, 100 ohms * 4 | |
| | | | |
| | | | |
| MECHANICAL PARTS | | | |
| MISCELLANEOUS | | | |
| 1 | YESFX046136 | Frame | |
| 2 | YESFX046137 | Top Cover | |
| 3 | YERFS04003 | Damper F | |
| 4 | YERFS04004 | Damper R | |
| 11 | YESFX046138 | Chassis Rivet Ass'y | |
| 12 | YERFX046001 | Change Plate Rivet Ass'y | |
| 13 | YERFX007001 | Clamper Ass'y | |
| 14 | YESAK01041 | Spindle Motor Ass'y | |
| 15 | YERFX046002 | Clamper Arm | |
| 16 | YERFX005001 | Change Gear Spring | |
| 17 | YERFX03001 | Change Gear 2 | |
| 18 | YERFX03002 | Feed Gear | |
| 19 | YERFX03003 | Feed Rack | |
| 20 | YERFX046003 | Changer Lock Lever | |
| 21 | YERFW04001 | Feed Switch Holder | |
| 22 | YERFW04002 | Pick-up Shaft Holder | |
| 23 | YERFX005002 | Clamper Sub Spring | |
| 24 | YERFW04003 | FD Sub Holder | |
| 25 | YESFX046139 | Top Plate | |
| 26 | YERFX046004 | Select Lock Arm | |
| 27 | YERFX046006 | Slide Hook | |
| 28 | YERFW01001 | Pick-up Shaft | |
| 29 | YERFX005003 | Clamper Arm Spring | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 30 | YERFX005004 | Select Lock Arm Spring | |
| 31 | YERFX005013 | Suspension Spring | |
| 32 | YESFX046140 | Select Arm R | |
| 33 | YERFX003004 | Link Plate | |
| 34 | YESFX005137 | Link Plate Spring | |
| 35 | YERFS01001 | Cushion F | |
| 36 | YERFS01002 | Cushion R | |
| 37 | YERFX005014 | Feed Spring Plate | |
| 38 | YERFX046005 | Trigger Arm | |
| 43 | YERFX046008 | Select Plate L | |
| 44 | YERFX046009 | Select Plate R | |
| 45 | YERFX046010 | Select Piece R | |
| 46 | YERFX046011 | Select Piece L | |
| 61 | YESSZCDM002 | Optical Pick-up Ass'y | |
| 62 | YERAS0001 | Detection Switch | |
| 71 | YESAP304 | Servo PCB Ass'y | RTL |
| 72 | YERAS0002 | Mode Switch | |
| 73 | YESAJ07014 | Loding Motor Wire | |
| 74 | YESAJ07015 | Mode Switch Wire | |
| 75 | YESAJ07016 | Spindle Motor Wire | |
| 77 | YERFX999001 | Wire Clamper M | |
| 78 | YESFX024021 | Wire Tube Spindle Motor | |
| 79 | YESFX024022 | Wire Tube Mode Switch | |
| 81 | YERFX03005 | Roller Shaft Ass'y | |
| 82 | YERFX046012 | Loading Gear Plate Rivet Ass'y | |
| 83 | YERFX046013 | Loading Plate Ass'y | |
| 84 | YESFX046173 | Lock Arm Rivet Ass'y | |
| 85 | YESAK01040 | Loading/Feed Motor Ass'y | |
| 86 | YERFX03006 | Loading Gear 1 | |
| 87 | YERFX03007 | Loading Gear 2 | |
| 88 | YERFX03008 | Loading Gear 3 | |
| 89 | YERFX03009 | Loading Gear 4 | |
| 90 | YERFX03010 | Loading Gear 5 | |
| 91 | YERFX03011 | Loading Gear 6 | |
| 92 | YERFX03012 | Loading Gear 7 | |
| 93 | YERFW04004 | Roller Guide | |
| 94 | YERFX005007 | Roller Guide Spring | |
| 95 | YERFX046015 | Disc Stopper Arm | |
| 96 | YERFX005008 | Disc Stop Arm Spring | |
| 97 | YERFX046016 | LD Gear Bracket | |
| 98 | YESFX046174 | L Slide Plate | |
| 99 | YERFX005009 | Loading Plate Spring | |
| 100 | YESFX046150 | Loading Roller | |
| 101 | YESJS01175 | Collar Screw | |
| 111 | YERJT01001 | Tapping Screw 2*3 | |
| 112 | YERJT01002 | Tapping Screw 2*4 | |
| 113 | YEJT03117 | Tapping Bind Screw 2*4 | |
| 114 | YERJS01002 | Camera Screw 1.7*1.8 | |
| 115 | YERJS01003 | Camera Screw 2*2 | |
| 116 | YERJS01004 | Camera Tapping Screw 1.7*5 | |
| 118 | YESJS01148 | Screw 2*4 | |
| 121 | YERJW01001 | P Washer 3.5*8*0.3 | |
| 122 | YERJW01002 | HL Washer 1.85*5*0.13 | |
| 123 | YERJW01003 | Lumilar Washer 3.1*6*0.1 | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 124 | YEJE01028 | E Ring S 1.5 | |
| 125 | YERJW01005 | P Washer 2.1*4*0.13 | |
| | | | |

# 17. EXPLODED VIEW (CD Deck) [CQ-C3300U/CQ-C3400U]



# 18. CD PLAYER PARTS LIST / [CQ-C3100U/CQ-C3200U]

**Notes :**

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    **- Order intake period is basically six months after the first shipment.**

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| [3032-14-07] CD Servo Block | | | |
| IC's and TRANSISTORs | | | |
| IC1 | YESAM148 | IC | |
| IC4 | YESAM226 | IC | |
| Q2 | B1BDBC000001 | Transistor | |
| | | | |
| DIODE | | | |
| D2 | YESAD093 | Diode | |
| | | | |
| CAPACITORs | | | |
| C3 | YESCC180 | Chip, 8pF 50WV | |
| C4 | YESCC181 | Chip, 27pF 50WV | |
| C5 | YESCC179 | Chip, 4pF 50WV | |
| C6 | YESCC187 | Chip, 0.1 μF 25WV | |
| C7 | YESCC187 | Chip, 0.1 μF 25WV | |
| C8 | F1H1H2220004 | Chip, 0.0022 μF 50WV | |
| C9 | YESCC187 | Chip, 0.1 μF 25WV | |
| C10 | YESCC187 | Chip, 0.1 μF 25WV | |
| C11 | YESCC187 | Chip, 0.1 μF 25WV | |
| C12 | YESCC187 | Chip, 0.1 μF 25WV | |
| C16 | YESCC195 | Chip, 0.1 μF 50WV | |
| C17 | YESCC187 | Chip, 0.1 μF 25WV | |
| C19 | YESCC187 | Chip, 0.1 μF 25WV | |
| C20 | YESCC185 | Chip, 0.01 μF 50WV | |
| C21 | YESCC185 | Chip, 0.01 μF 50WV | |
| C24 | YESCC188 | Electrolytic, 10 μF 16WV | |
| C25 | YESCC299 | Chip, 0.022 μF 50WV | |
| C26 | YESCC183 | Chip, 0.0022 μF 50WV | |
| C27 | YESCC183 | Chip, 0.0022 μF 50WV | |
| C28 | YESCC181 | Chip, 27pF 50WV | |
| C30 | YESCC182 | Chip, 56pF 50WV | |
| C31 | YESCC181 | Chip, 27pF 50WV | |
| C32 | YESCC188 | Electrolytic, 10 μF 16WV | |
| C34 | YESCC195 | Chip, 0.1 μF 50WV | |
| C35 | YESCC188 | Electrolytic, 10 μF 16WV | |
| C38 | YESCC189 | Electrolytic, 100 μF 10WV | |
| C39 | YESCC188 | Electrolytic, 10 μF 16WV | |
| C40 | YESCC189 | Electrolytic, 100 μF 10WV | |
| C45 | YESCC195 | Chip, 0.1 μF 50WV | |
| C46 | YESCC189 | Electrolytic, 100 μF 10WV | |
| C47 | YESCC195 | Chip, 0.1 μF 50WV | |
| C51 | YESCC194 | Chip, 0.01 μF 250WV | |
| C52 | YESCC185 | Chip, 0.01 μF 50WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C53 | YESCC194 | Chip, 0.01 μF 250WV | |
| | | | |
| RESISTORs | | | |
| J101 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J102 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J103 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J104 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J106 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J107 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J108 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J109 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J110 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J111 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J112 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J113 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J114 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J115 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J116 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J117 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J118 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J119 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J120 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J121 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J122 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J123 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J124 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J125 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J126 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J127 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J128 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J129 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J130 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J131 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J132 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J133 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J134 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J135 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J136 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J137 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J138 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J139 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J140 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J142 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J143 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J144 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |

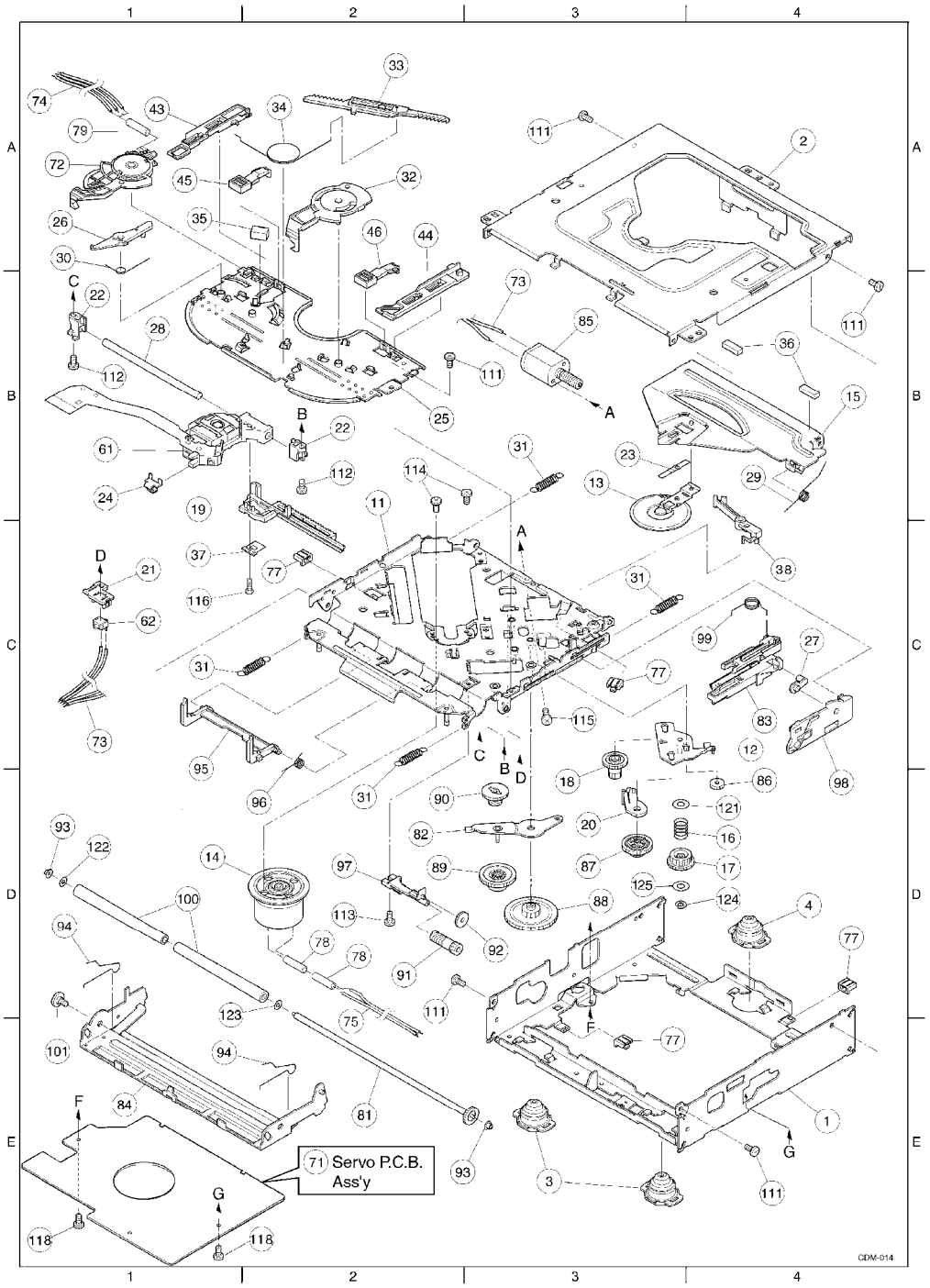
| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| J145 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J146 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J147 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J148 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J149 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J150 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J151 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J152 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J153 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J154 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J155 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J156 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J157 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J158 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J159 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J160 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J161 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J162 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J163 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J164 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J165 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J166 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J177 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J183 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J184 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| J185 | ERJ8GEY0R00V | Chip, 0 Ω 1/8W | |
| R1 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R2 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R8 | ERJ6GEYJ222 | Chip, 2.2k Ω 1/10W | |
| R10 | ERJ3GEYJ392V | Chip, 3.9k Ω 1/16W | |
| R12 | ERJ3GEYJ222V | Chip, 2.2k Ω 1/16W | |
| R13 | ERJ3GEYJ392V | Chip, 3.9k Ω 1/16W | |
| R14 | ERJ3GEYJ103V | Chip, 10k Ω 1/16W | |
| R20 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R21 | ERJ3GEYJ221V | Chip, 220 Ω 1/16W | |
| R22 | ERJ3GEYJ221V | Chip, 220 Ω 1/16W | |
| R27 | ERJ3GEYJ393V | Chip, 39k Ω 1/16W | |
| R28 | ERJ8GEYJ104V | Chip, 100k Ω 1/4W | |
| R30 | ERJ3GEYJ220V | Chip, 22 Ω 1/16W | |
| R34 | ERJ3GEYJ184V | Chip, 180k Ω 1/16W | |
| R37 | ERJ3GEY0R00V | Chip, 0 Ω 1/16W | |
| R39 | ERJ3GEY0R00V | Chip, 0 Ω 1/16W | |
| R40 | ERJ3GEY0R00V | Chip, 0 Ω 1/16W | |
| R41 | ERJ3GEYJ104V | Chip, 100k Ω 1/16W | |
| R46 | ERJ3GEYJ472V | Chip, 4.7k Ω 1/16W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R47 | ERJ8GEYJ473V | Chip, 47k Ω 1/4W | |
| R48 | ERJ3GEYJ473V | Chip, 47k Ω 1/16W | |
| R51 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R52 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R53 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R54 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R55 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R56 | ERJ3GEYJ101V | Chip, 100 Ω 1/16W | |
| R57 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R58 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R59 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R60 | ERJ3GEYJ102V | Chip, 1k Ω 1/16W | |
| R61 | ERJ6GEYJ102 | Chip, 1k Ω 1/10W | |
| R62 | ERJ8GEYJ102V | Chip, 1k Ω 1/4W | |
| | | | |
| | | | |
| CRYSTAL | | | |
| X1 | YESXL018 | Ceramic Resonator | |
| | | | |
| COIL | | | |
| L1 | YESLQ011 | Coil | |
| | | | |
| CONNECTORs | | | |
| CN1 | YESAE341 | Connector | |
| CN2 | YESAE350 | FFC/FPC Connector | |
| | | | |
| | | | |
| | | | |
| MECHANICAL PARTS | | | |
| MISCELLANEOUS | | | |
| 1 | YESFX046136 | Frame | |
| 2 | YESFX046137 | Top Cover | |
| 3 | YERFS04003 | Damper F | |
| 4 | YERFS04004 | Damper R | |
| 11 | YESFX046138 | Chassis Rivet Ass'y | |
| 12 | YERFX046001 | Change Plate Rivet Ass'y | |
| 13 | YERFX007001 | Clamper Ass'y | |
| 14 | YESAK01041 | Spindle Motor Ass'y | |
| 15 | YERFX046002 | Clamper Arm | |
| 16 | YERFX005001 | Change Gear Spring | |
| 17 | YERFX03001 | Change Gear 2 | |
| 18 | YERFX03002 | Feed Gear | |
| 19 | YERFX03003 | Feed Rack | |
| 20 | YERFX046003 | Changer Lock Lever | |
| 21 | YERFW04001 | Feed Switch Holder | |
| 22 | YERFW04002 | Pick-up Shaft Holder | |
| 23 | YERFX005002 | Clamper Sub Spring | |
| 24 | YERFW04003 | FD Sub Holder | |
| 25 | YESFX046139 | Top Plate | |
| 26 | YERFX046004 | Select Lock Arm | |
| 27 | YERFX046006 | Slide Hook | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 28 | YERFW01001 | Pick-up Shaft | |
| 29 | YERFX005003 | Clamper Arm Spring | |
| 30 | YERFX005004 | Select Lock Arm Spring | |
| 31 | YERFX005013 | Suspension Spring | |
| 32 | YESFX046140 | Select Arm R | |
| 33 | YERFX003004 | Link Plate | |
| 34 | YESFX005137 | Link Plate Spring | |
| 35 | YERFS01001 | Cushion F | |
| 36 | YERFS01002 | Cushion R | |
| 37 | YERFX005014 | Feed Spring Plate | |
| 38 | YERFX046005 | Trigger Arm | |
| 43 | YERFX046008 | Select Plate L | |
| 44 | YERFX046009 | Select Plate R | |
| 45 | YERFX046010 | Select Piece R | |
| 46 | YERFX046011 | Select Piece L | |
| 61 | YESSZCDM002 | Optical Pick-up Ass'y | |
| 62 | YERAS0001 | Detection Switch | |
| 71 | YESAP305 | Servo PCB Ass'y | RTL |
| 72 | YERAS0002 | Mode Switch | |
| 73 | YESAJ07014 | Loding Motor Wire | |
| 74 | YESAJ07015 | Mode Switch Wire | |
| 75 | YESAJ07016 | Spindle Motor Wire | |
| 77 | YERFX999001 | Wire Clamper M | |
| 78 | YESFX024021 | Wire Tube Spindle Motor | |
| 79 | YESFX024022 | Wire Tube Mode Switch | |
| 81 | YERFX03005 | Roller Shaft Ass'y | |
| 82 | YERFX046012 | Loading Gear Plate Rivet Ass'y | |
| 83 | YERFX046013 | Loading Plate Ass'y | |
| 84 | YESFX046173 | Lock Arm Rivet Ass'y | |
| 85 | YESAK01040 | Loading/Feed Motor Ass'y | |
| 86 | YERFX03006 | Loading Gear 1 | |
| 87 | YERFX03007 | Loading Gear 2 | |
| 88 | YERFX03008 | Loading Gear 3 | |
| 89 | YERFX03009 | Loading Gear 4 | |
| 90 | YERFX03010 | Loading Gear 5 | |
| 91 | YERFX03011 | Loading Gear 6 | |
| 92 | YERFX03012 | Loading Gear 7 | |
| 93 | YERFW04004 | Roller Guide | |
| 94 | YERFX005007 | Roller Guide Spring | |
| 95 | YERFX046015 | Disc Stopper Arm | |
| 96 | YERFX005008 | Disc Stop Arm Spring | |
| 97 | YERFX046016 | LD Gear Bracket | |
| 98 | YESFX046174 | L Slide Plate | |
| 99 | YERFX005009 | Loading Plate Spring | |
| 100 | YESFX046150 | Loading Roller | |
| 101 | YESJS01175 | Collar Screw | |
| 111 | YERJT01001 | Tapping Screw 2*3 | |
| 112 | YERJT01002 | Tapping Screw 2*4 | |
| 113 | YEJT03117 | Tapping Bind Screw 2*4 | |
| 114 | YERJS01002 | Camera Screw 1.7*1.8 | |
| 115 | YERJS01003 | Camera Screw 2*2 | |
| 116 | YERJS01004 | Camera Tapping Screw 1.7*5 | |
| 118 | YESJS01148 | Screw 2*4 | |
| 121 | YERJW01001 | P Washer 3.5*8*0.3 | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 122 | YERJW01002 | HL Washer 1.85*5*0.13 | |
| 123 | YERJW01003 | Lumilar Washer 3.1*6*0.1 | |
| 124 | YEJE01028 | E Ring S 1.5 | |
| 125 | YERJW01005 | P Washer 2.1*4*0.13 | |
| | | | |

# 19. EXPLODED VIEW (CD Deck) [CQ-C3100U/CQ-C3200U]




# 20. WIRING DIAGRAM

## 20.1. Display Block

## 20.2. Main Block (Top View)

## 20.3. Main Block (Bottom View)

## 20.4. Eject/ Connector Block

### 20.5. CD Servo Block [CQ-C3300U/CQ-C3400U] (Top View)

### 20.6. CD Servo Block [CQ-C3300U/CQ-C3400U] (Bottom View)

### 20.7. CD Servo Block [CQ-C3100U/CQ-C3200U]

THIS PAGE IS JUST FOR THE PAGE LAYOUT USE ONLY.

## 21. SCHEMATIC DIAGRAM

21.1. Main Block [CQ-C3300U/3400U]

21.2. Main Block [CQ-C3100U/3200U]

21.3. Display Block

21.4. CD Servo Block [CQ-C3300U/CQ-C3400U] -1

21.5. CD Servo Block [CQ-C3300U/CQ-C3400U] -2

21.6. CD Servo Block [CQ-C3100U/CQ-C3200U]

22. BLOCK DIAGRAM

22.1. Main/Display Block

22.2. CD Servo Block [CQ-C3300U/CQ-C3400U]

22.3. CD Servo Block [CQ-C3100U/CQ-C3200U]

23. SCHEMATIC DIAGRAM for Printing with Letter Size

23.1. Main Block [CQ-C3300U/3400U] (Left Side)

23.2. Main Block [CQ-C3300U/3400U] (Right Side)

23.3. Main Block [CQ-C3100U/3200U] (Left Side)

23.4. Main Block [CQ-C3100U/3200U] (Right Side)

23.5. Display Block (Left Side)

23.6. Display Block (Right Side)

23.7. CD Servo Block [CQ-C3300U/3400U] -1 (Left Side)

23.8. CD Servo Block [CQ-C3300U/3400U] -1 (Right Side)

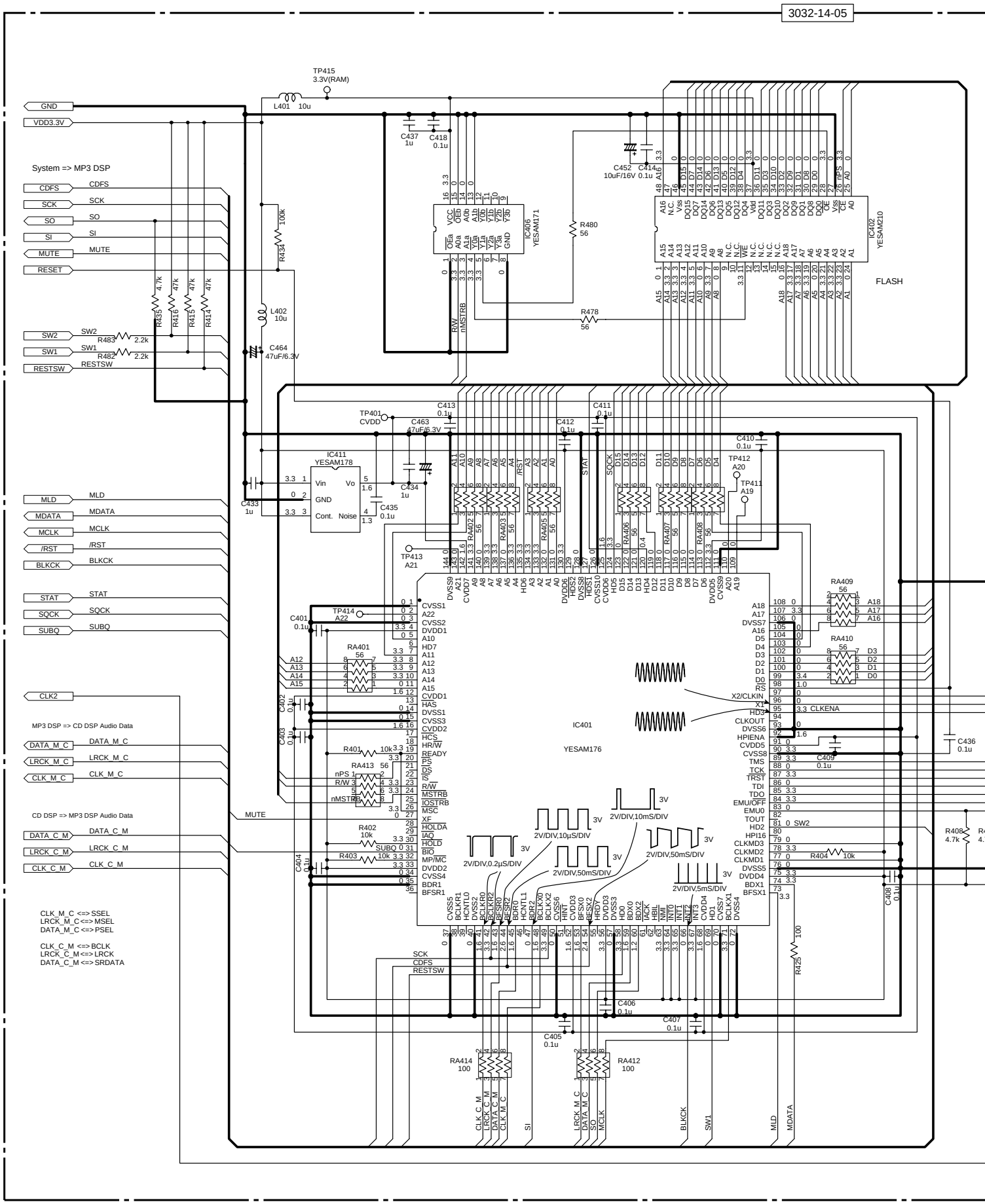
23.9. CD Servo Block [CQ-C3300U/3400U] -2 (Left Side)

23.10. CD Servo Block [CQ-C3300U/3400U] -2 (Right Side)

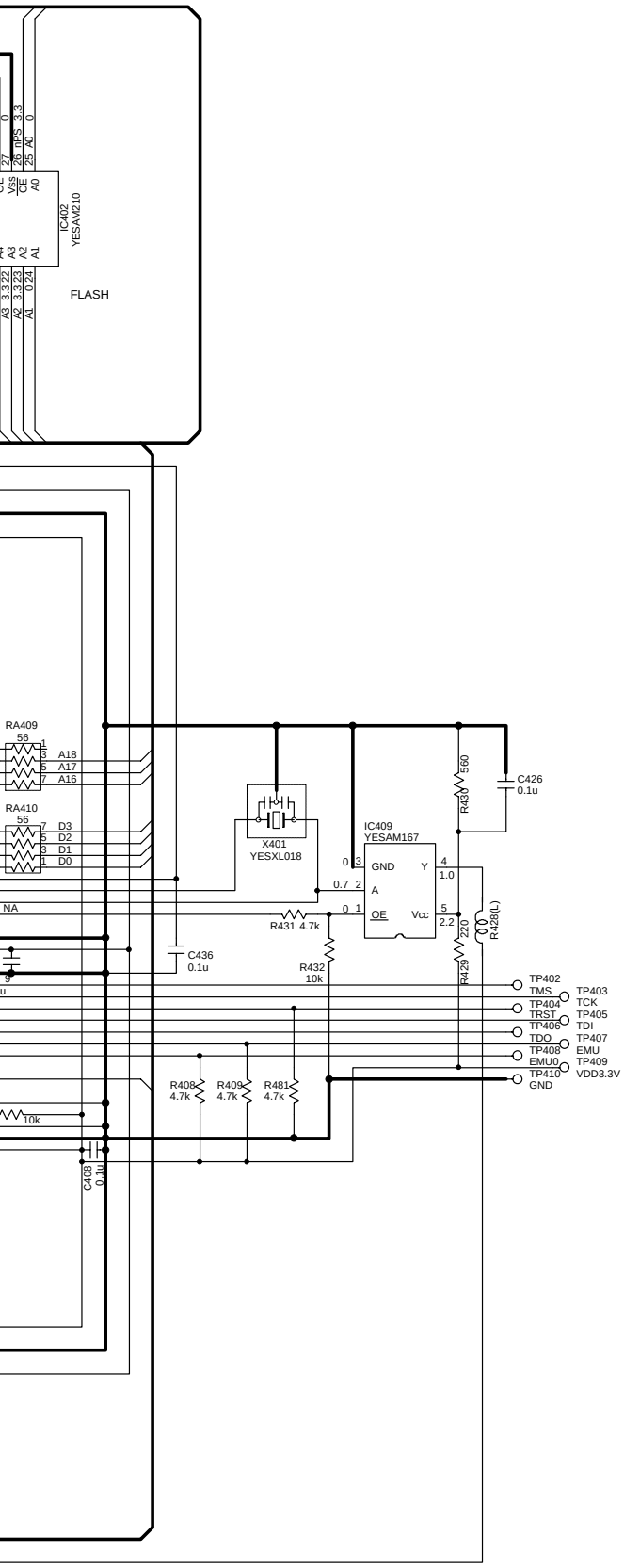
23.11. CD Servo Block [CQ-C3100U/3200U] (Left Side)

23.12. CD Servo Block [CQ-C3100U/3200U] (Right Side)

# 21.5. CD Servo Block [CQ-C3300U/CQ-C3400U] -2



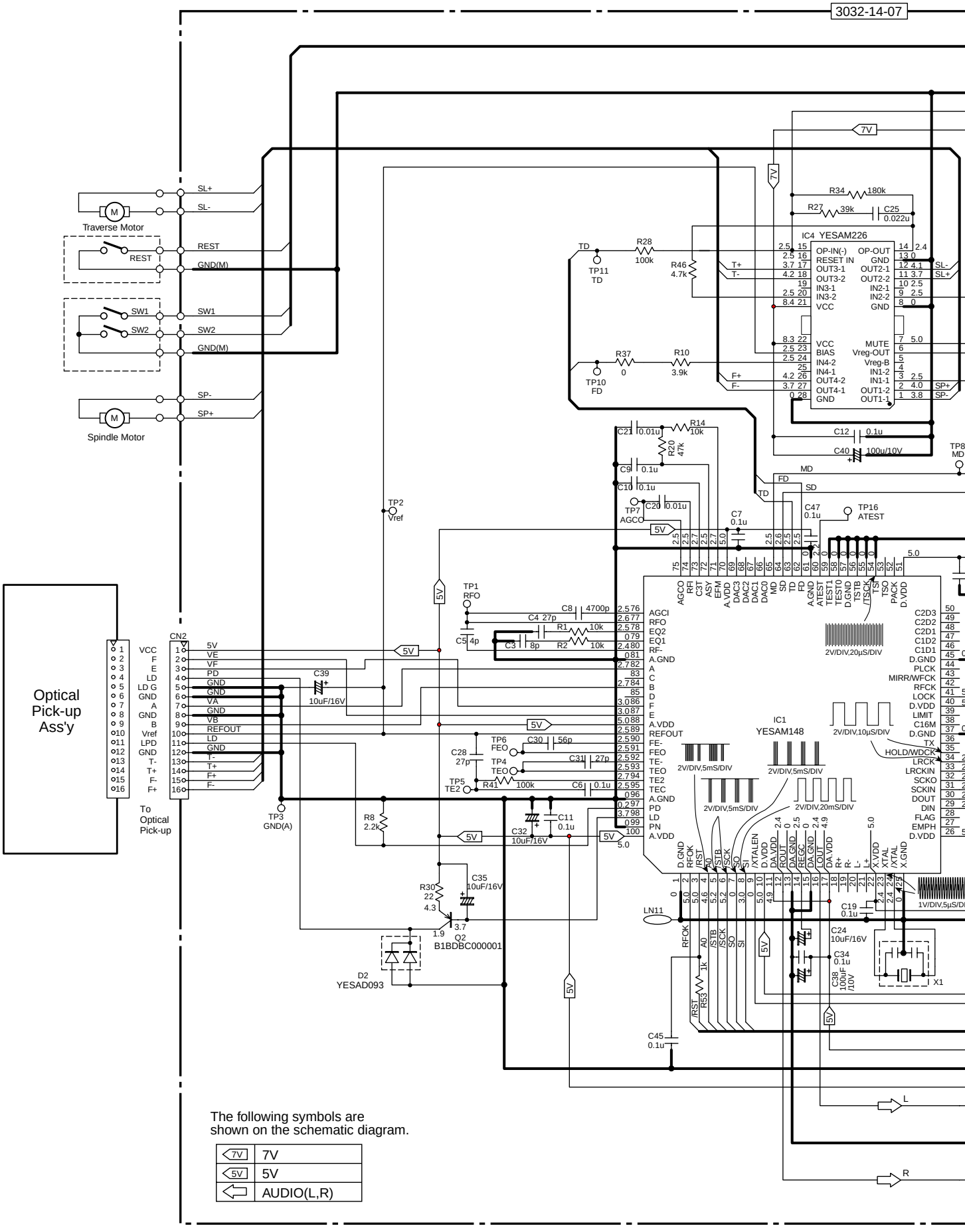
-05

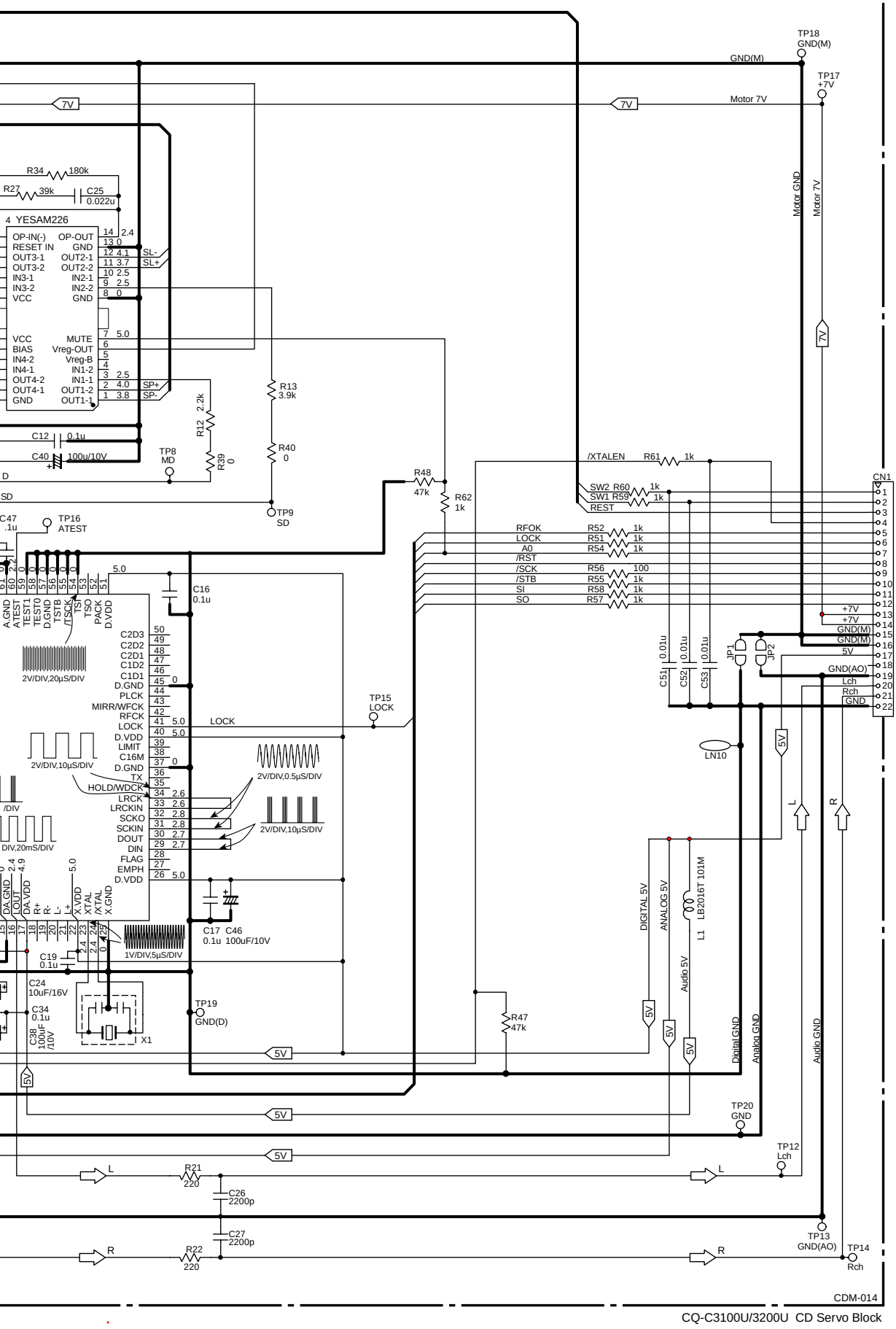



CDM-007(MP3)

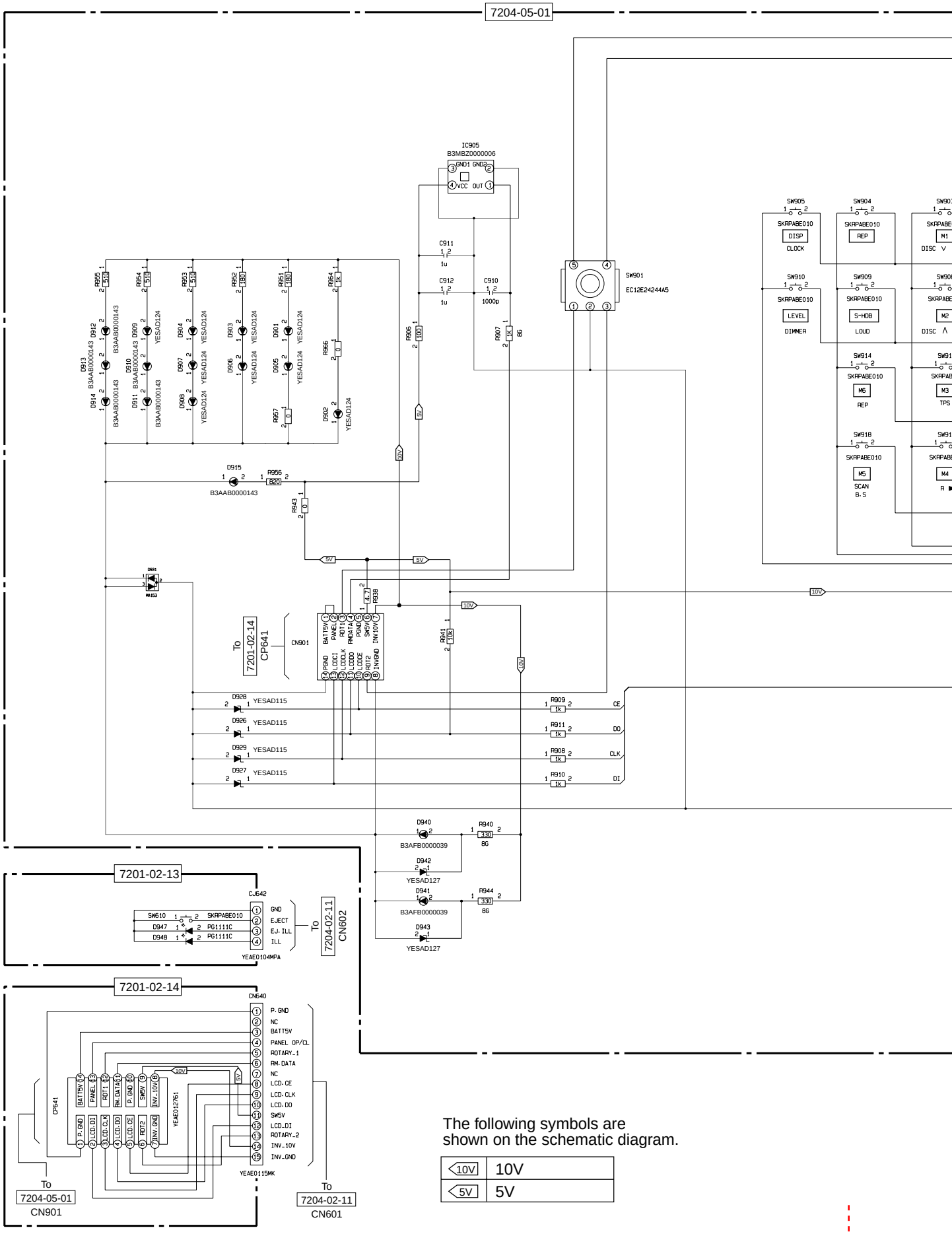
CQ-C3300U/3400U CD Servo Block (2/2)

# 21.6. CD Servo Block [CQ-C3100U/CQ-C3200U]



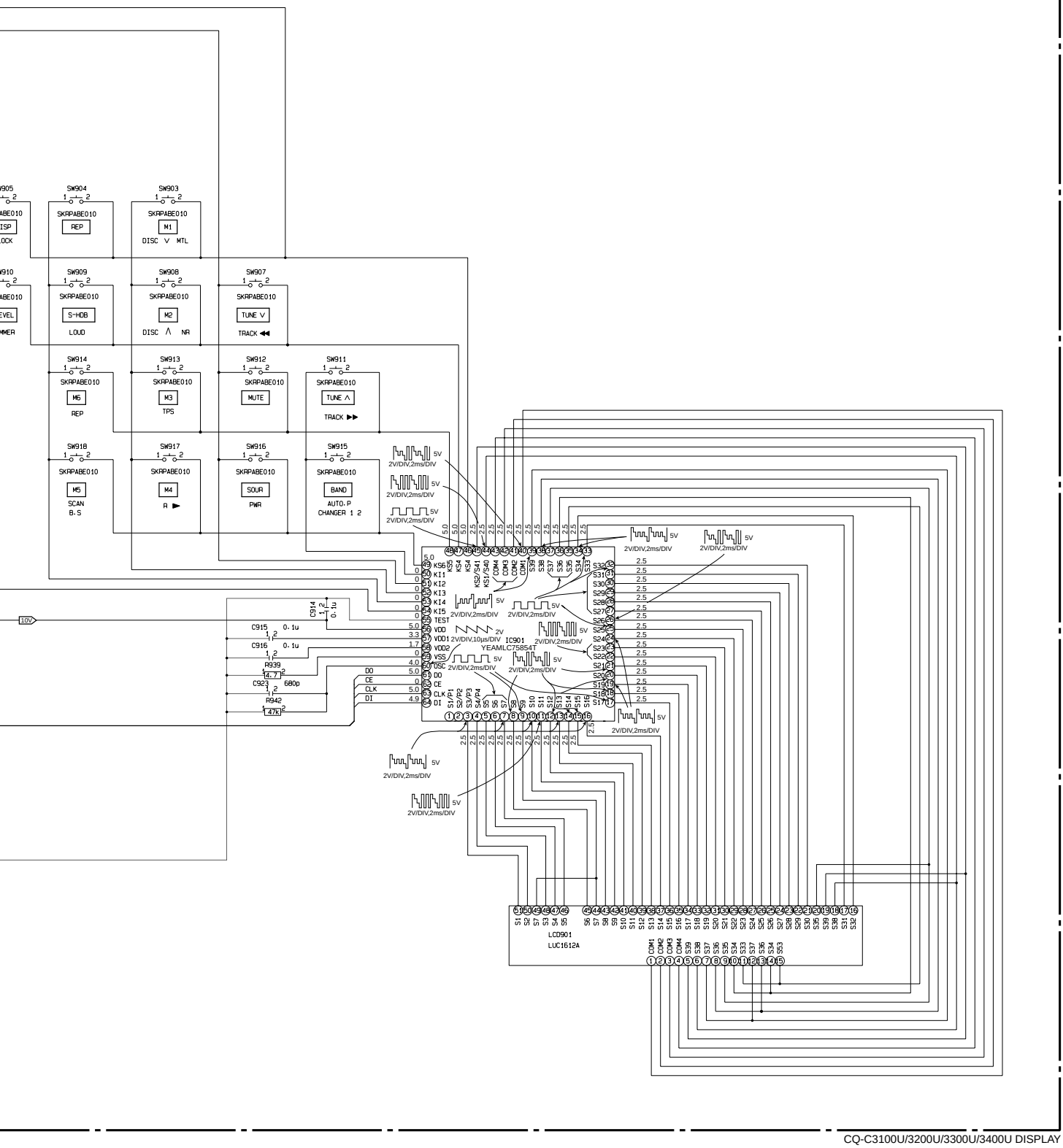

3032-14-07
4 YESAM226
OP-IN(-)
RESET IN
OUT3-1
OUT3-2
IN3-1
IN3-2
VCC
OP-OUT
GND
OUT2-1
OUT2-2
IN2-1
IN2-2
GND
VCC
BIAS
IN4-2
IN4-1
OUT4-2
OUT4-1
GND
MUTE
Vreg-OUT
Vreg-B
IN1-2
IN1-1
OUT1-2
OUT1-1
SL-
SL+
SP+
SP-
R34 180k
R27 39k
C25 0.022u
R13 3.9k
R12 2.2k
R39 0
R40 0
C12 0.1u
C40 100u/10V
TP8 MD
TP9 SD
R48 47k
R62 1k
TP16 ATEST
C47 .1u
C16 0.1u
TP15 LOCK
TP19 GND(D)
C17 C46 0.1u 100uF/10V
C19 0.1u
C24 10uF/16V
C34 0.1u
C38 100uF /10V
X1
R47 47k
TP18 GND(M)
TP17 +7V
Motor 7V
Motor GND
/XTALEN R61 1k
SW2 R60 1k
SW1 R59 1k
REST
RFOK R52 1k
LOCK R51 1k
A0 R54 1k
/RST
/SCK R56 100
/STB R55 1k
SI R58 1k
SO R57 1k
C51 0.01u
C52 0.01u
C53 0.01u
JP1
JP2
LN10
CN1
SW2
SW1
LIMIT SW
/XTALEN
RFOK
LOCK
AC
/RST
/SCK
/STB
DSP_SI
DSP_SO
8V
8V
M-GND
M-GND
5V
(N.C)
A-GND
Lch
Rch
DSP-GND
GND(AO)
To
7201-02-11
CN681
DIGITAL 5V
ANALOG 5V
Audio 5V
L1 LB2016T 101M
Digital GND
Analog GND
Audio GND
TP20 GND
TP12 Lch
TP13 GND(AO)
TP14 Rch
R21 220
R22 220
C26 2200p
C27 2200p
CDM-014
CQ-C3100U/3200U CD Servo Block

# 21.3. Display Block




The following symbols are shown on the schematic diagram.

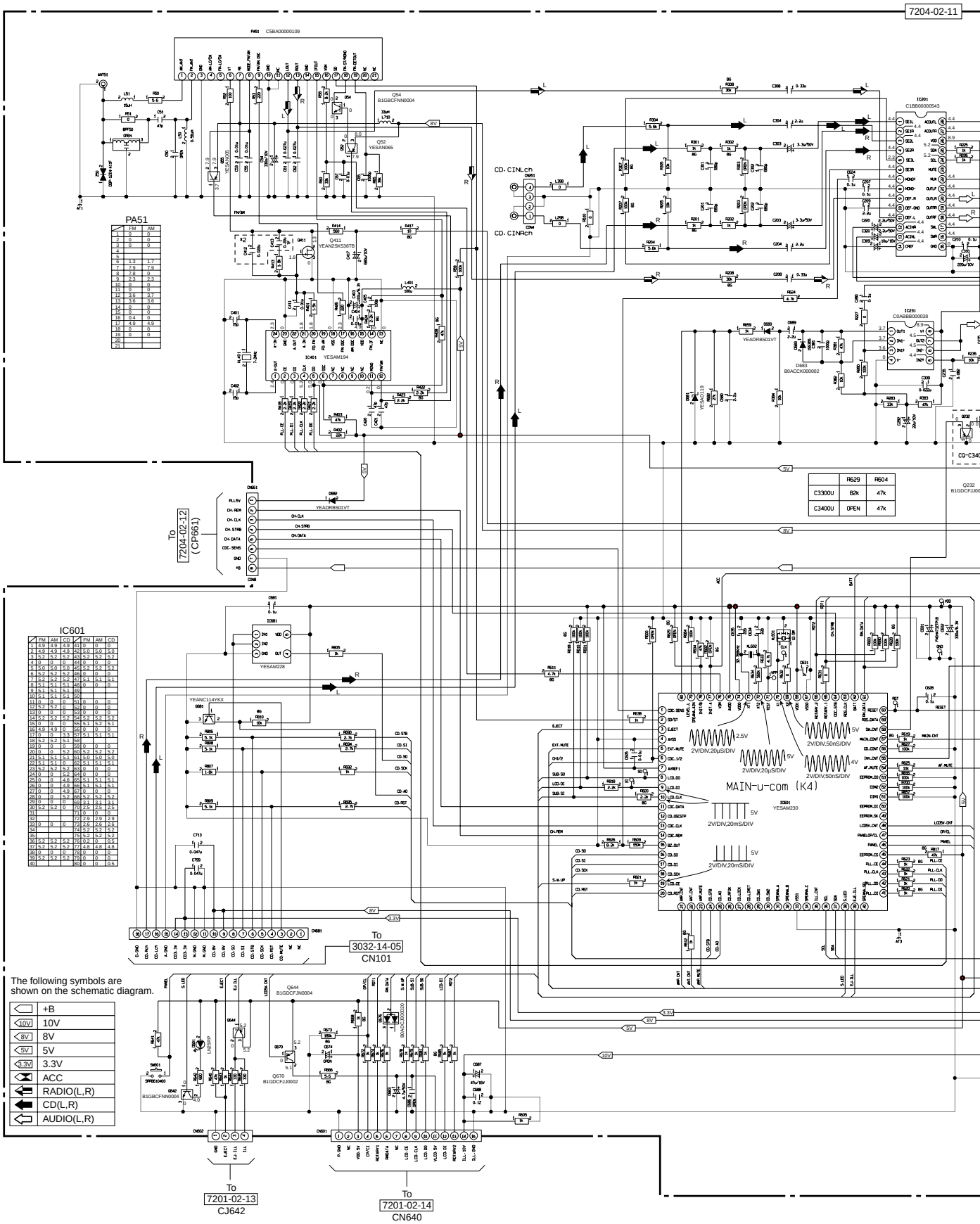
| | |
|---|---|
| 10V | 10V |
| 5V | 5V |

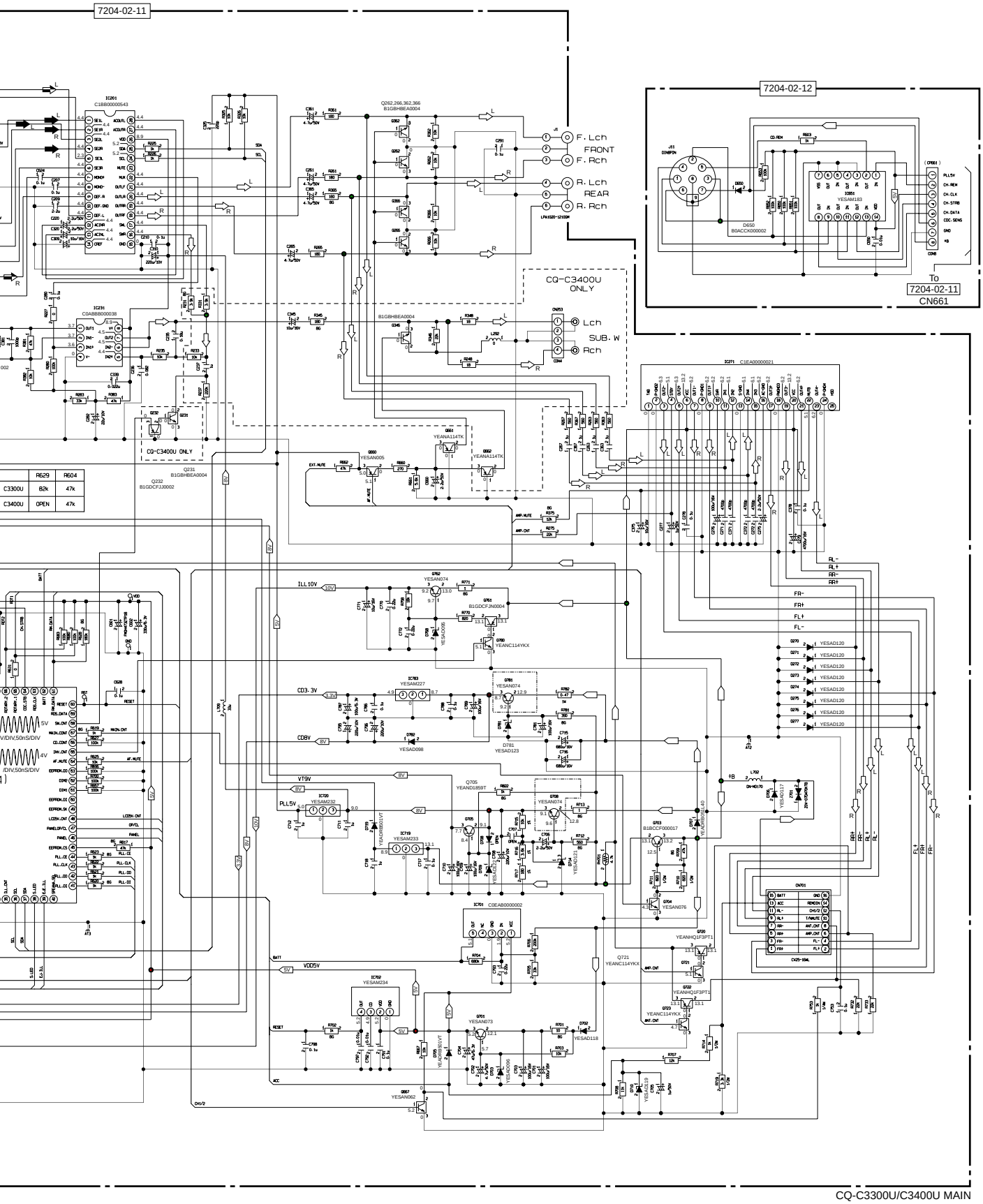



CQ-C3100U/3200U/3300U/3400U DISPLAY

# 21 SCHEMATIC DIAGRAM

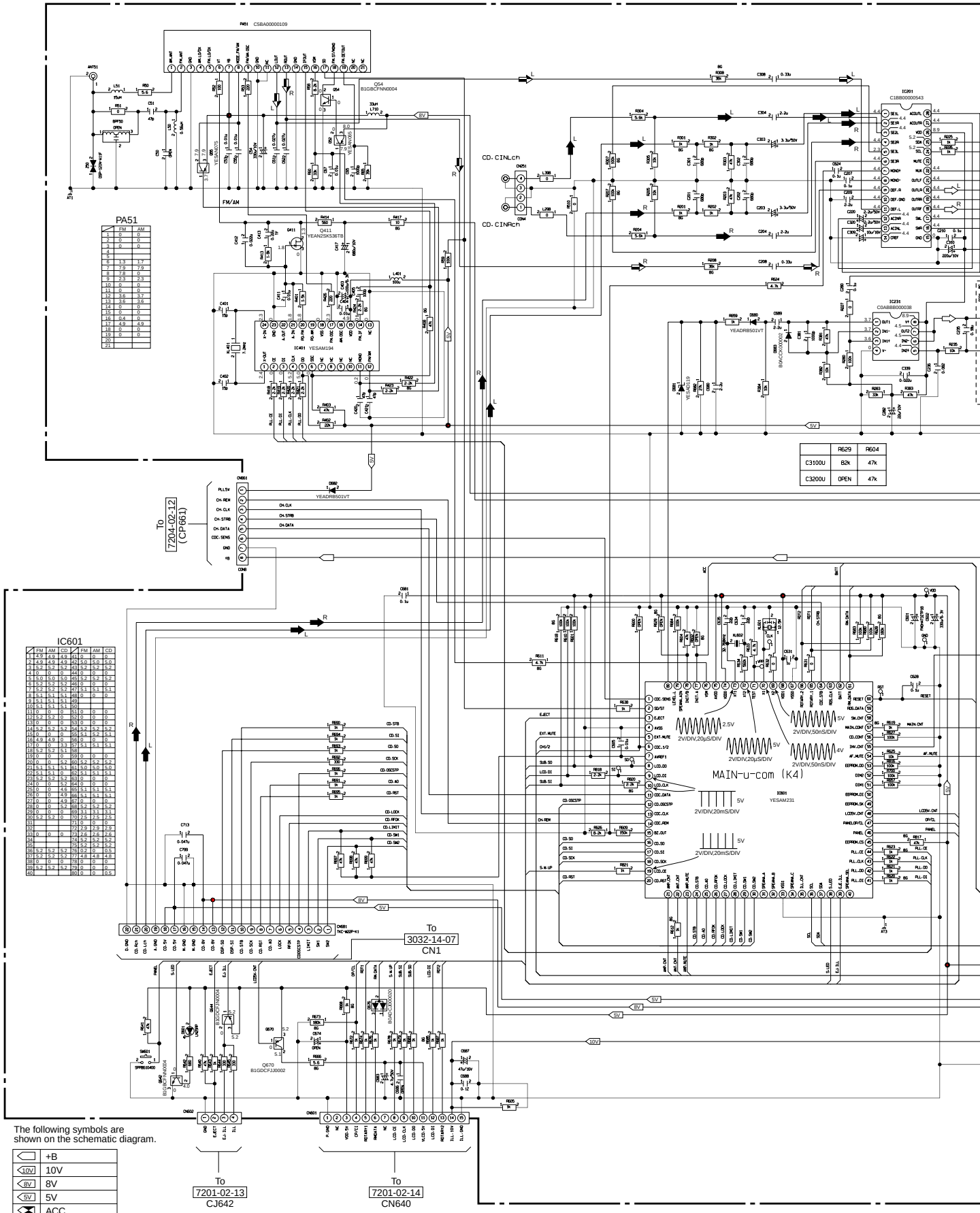
## 21.1. Main Block [CQ-C3300U/3400U]






CQ-C3300U/C3400U MAIN

# 21.2. Main Block [CQ-C3100U/3200U]

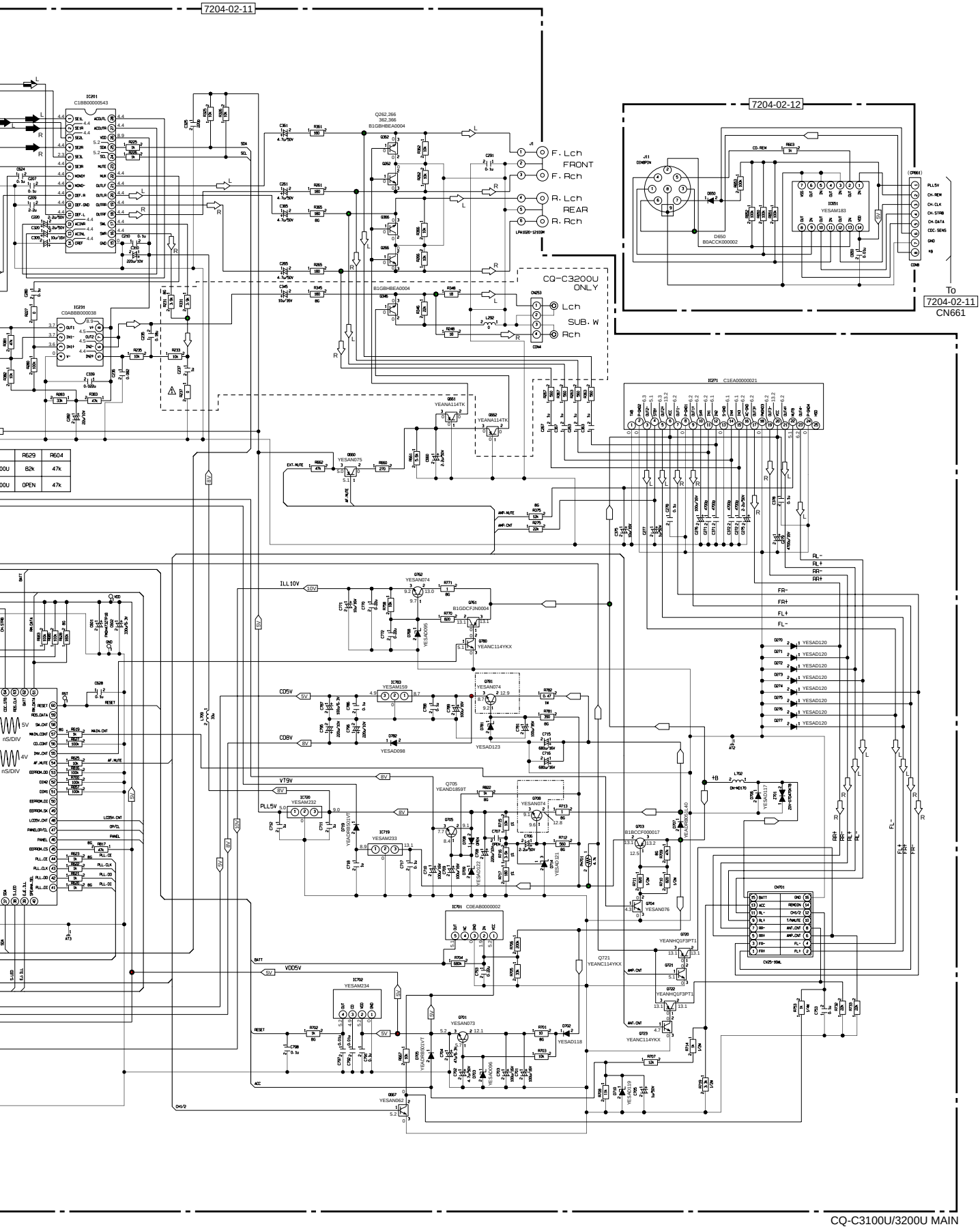


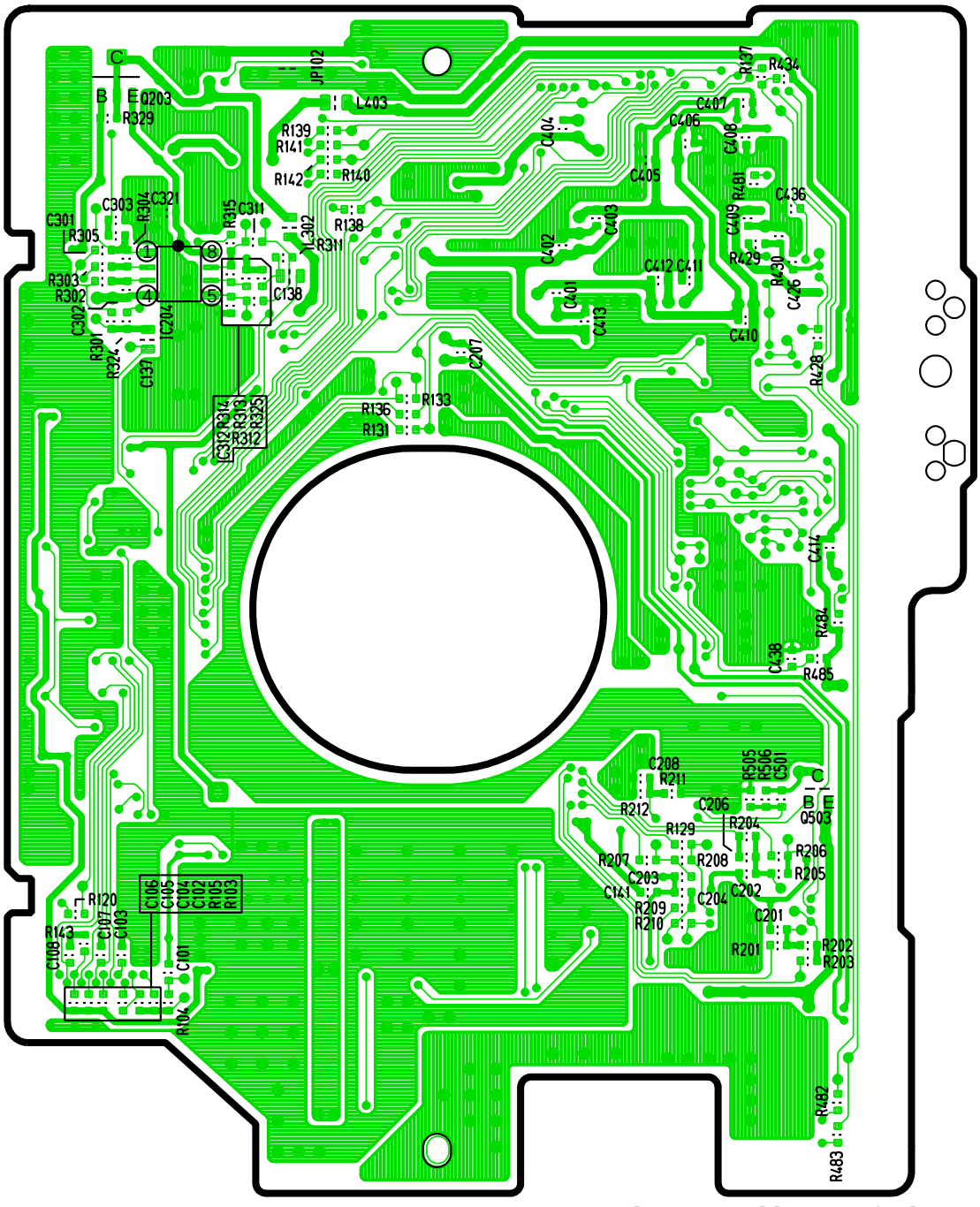

| | FM | AM |
|---|---|---|
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | | |
| 5 | | |
| 6 | 1.3 | 1.7 |
| 7 | 7.9 | 7.9 |
| 8 | 7.8 | 0 |
| 9 | 2.3 | 2.3 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 3.6 | 3.7 |
| 13 | 3.6 | 3.6 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0.4 | 0 |
| 17 | 4.9 | 4.9 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | | |
| 21 | | |

| | R629 | R604 |
|---|---|---|
| C3100U | 82k | 47k |
| C3200U | OPEN | 47k |

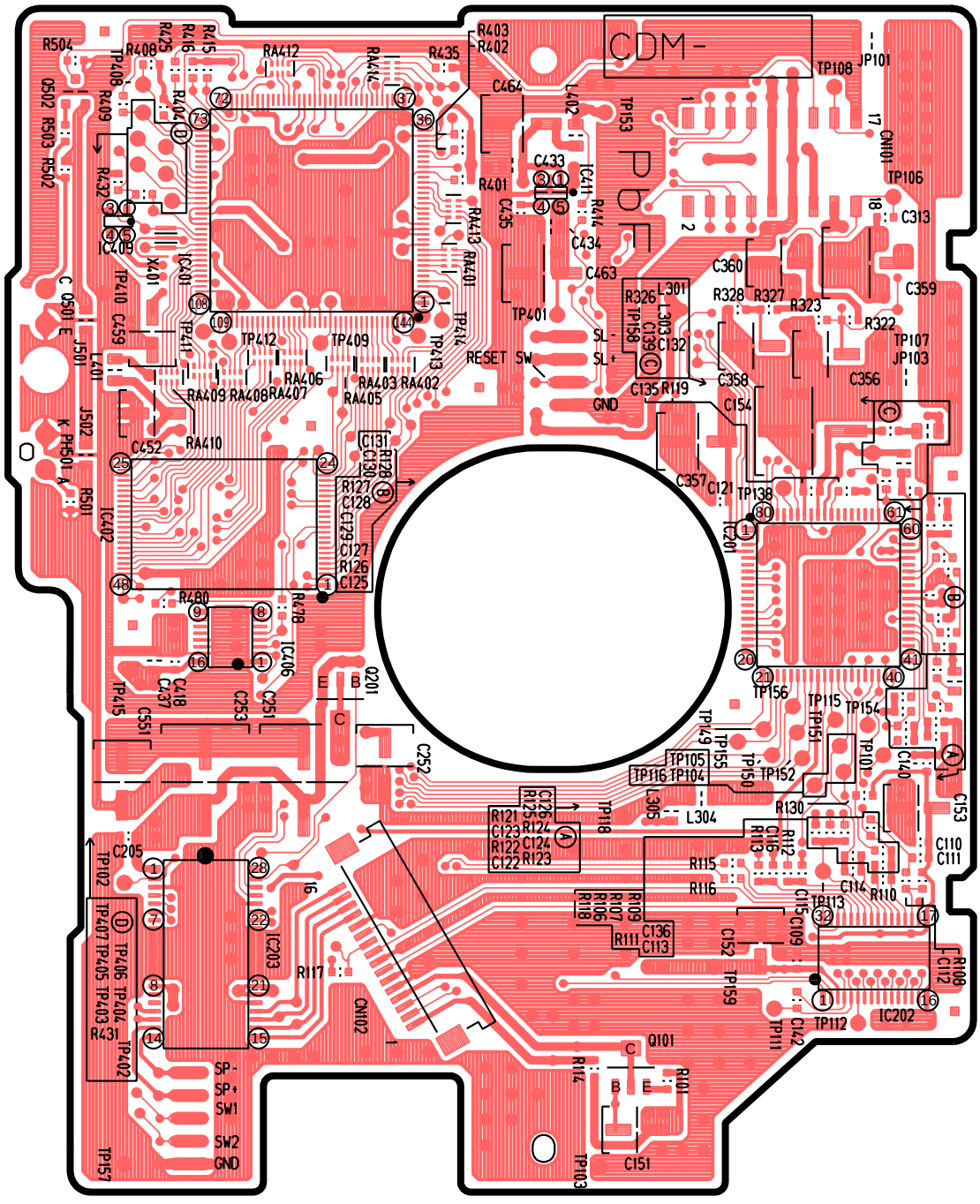
IC601

| | FM | AM | CD | | FM | AM | CD |
|---|---|---|---|---|---|---|---|
| 1 | 4.9 | 4.9 | | 41 | 0 | 0 | 0 |
| 2 | 4.9 | 4.9 | 4.9 | 42 | 5.0 | 5.0 | 5.0 |
| 3 | 5.2 | 5.2 | 5.2 | 43 | 5.2 | 5.2 | 5.2 |
| 4 | 0 | 0 | 0 | 44 | 0 | 0 | 0 |
| 5 | 5.0 | 5.0 | 5.0 | 45 | 5.2 | 5.2 | 5.2 |
| 6 | 5.2 | 5.2 | 5.2 | 46 | 0 | 0 | 0 |
| 7 | 5.2 | 5.2 | 5.2 | 47 | 5.1 | 5.1 | 5.1 |
| 8 | 5.1 | 5.1 | 5.1 | 48 | 0 | 0 | 0 |
| 9 | 5.1 | 5.1 | 5.1 | 49 | | | |
| 10 | 5.1 | 5.1 | 5.1 | 50 | | | |
| 11 | 0 | 0 | 0 | 51 | 0 | 0 | 0 |
| 12 | 5.2 | 5.2 | 0 | 52 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 53 | 0 | 0 | 0 |
| 14 | 5.2 | 5.2 | 5.2 | 54 | 5.2 | 5.2 | 5.2 |
| 15 | 0 | 0 | 0 | 55 | 5.1 | 5.2 | 5.1 |
| 16 | 4.9 | 4.9 | 0 | 56 | 0 | 0 | 0 |
| 17 | 0 | 0 | 3.3 | 57 | 5.1 | 5.1 | 5.1 |
| 18 | 5.2 | 5.2 | 5.1 | 58 | | | |
| 19 | 0 | 0 | 0 | 59 | 0 | 0 | 0 |
| 20 | 0 | 0 | 5.2 | 60 | 5.2 | 5.2 | 5.2 |
| 21 | 5.1 | 5.1 | 5.1 | 61 | 5.0 | 5.0 | 5.0 |
| 22 | 5.1 | 5.1 | 0 | 62 | 5.1 | 5.1 | 5.1 |
| 23 | 5.2 | 5.2 | 5.2 | 63 | 0 | 0 | 0 |
| 24 | 0 | 0 | 5.2 | 64 | 0 | 0 | 0 |
| 25 | 0 | 0 | 4.6 | 65 | 5.1 | 5.1 | 5.1 |
| 26 | 0 | 0 | 4.9 | 66 | 5.1 | 5.1 | 5.1 |
| 27 | 0 | 0 | 4.9 | 67 | 0 | 0 | 0 |
| 28 | 0 | 0 | 5.2 | 68 | 5.2 | 5.2 | 5.2 |
| 29 | 0 | 0 | 0 | 69 | 3.1 | 3.1 | 3.1 |
| 30 | 0 | 0 | 0 | 70 | 2.5 | 2.5 | 2.5 |
| 31 | | | | 71 | 0 | 0 | 0 |
| 32 | | | | 72 | 2.9 | 2.9 | 2.9 |
| 33 | 0 | 0 | 0 | 73 | 2.6 | 2.6 | 2.6 |
| 34 | | | | 74 | 5.2 | 5.2 | 5.2 |
| 35 | | | | 75 | 5.2 | 5.2 | 5.2 |
| 36 | 5.2 | 5.2 | 5.2 | 76 | 0.2 | 0 | 0.5 |
| 37 | 5.2 | 5.2 | 5.2 | 77 | 4.8 | 4.8 | 4.8 |
| 38 | 0 | 0 | 0 | 78 | 0 | 0 | 0 |
| 39 | 5.2 | 5.2 | 5.2 | 79 | 0 | 0 | 0 |
| 40 | | | | 80 | 0 | 0 | 0.5 |

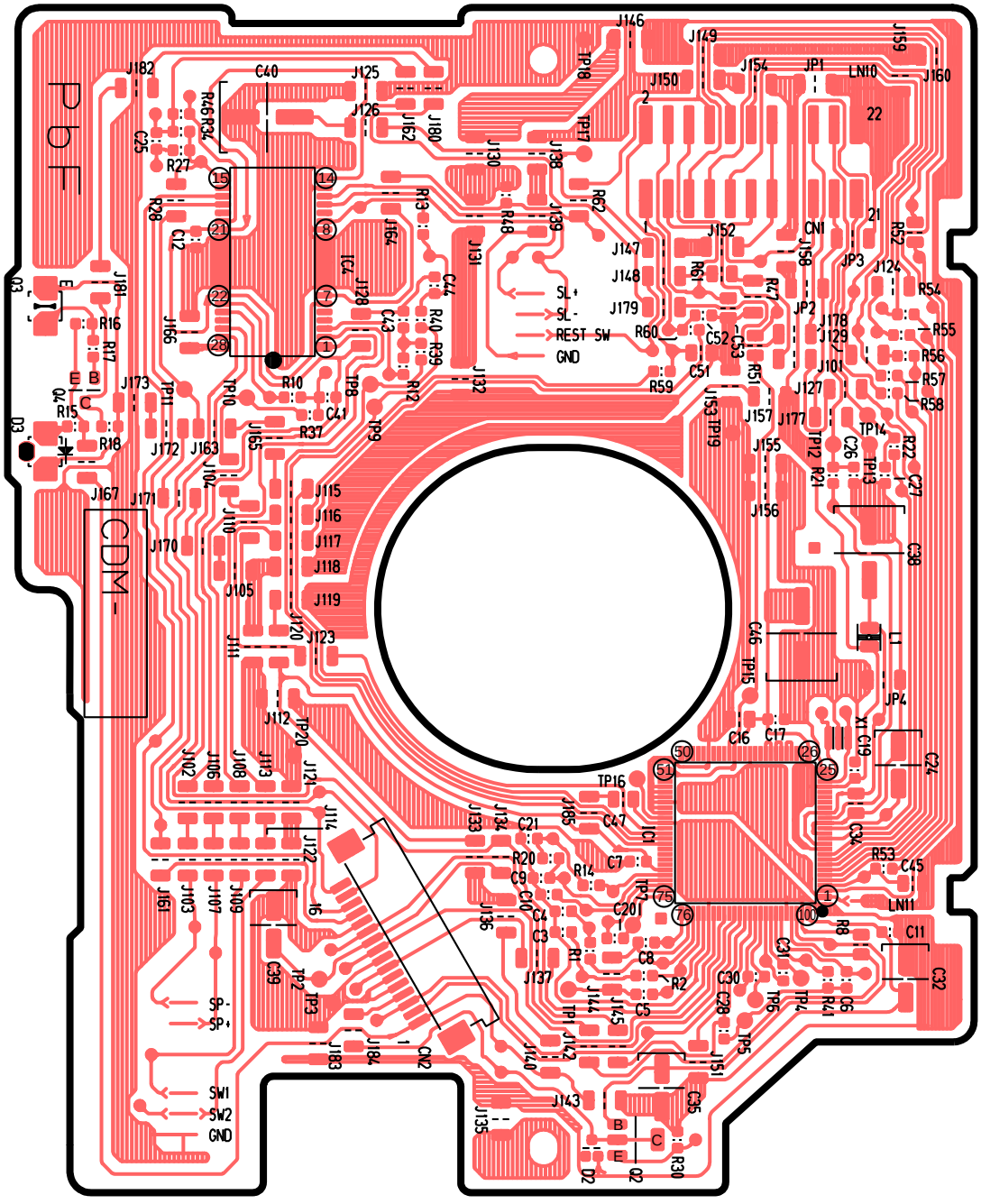

7204-02-11
7204-02-12
To
7204-02-11
CN661
CQ-C3200U
ONLY
F. Lch
FRONT
F. Rch
R. Lch
REAR
R. Rch
Lch
SUB. W
Rch
CQ-C3100U/3200U MAIN



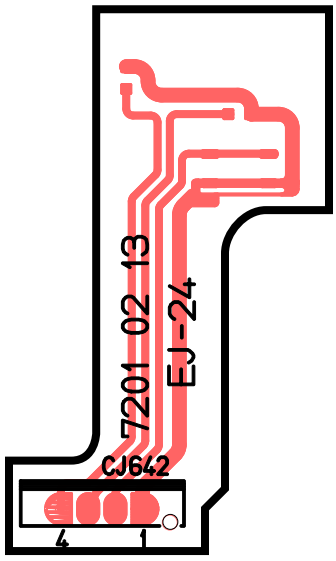

[3032-14-05] [Bottom View]



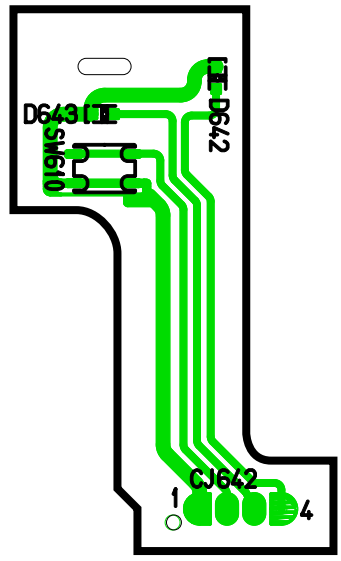

[3032-14-05] [Top View]



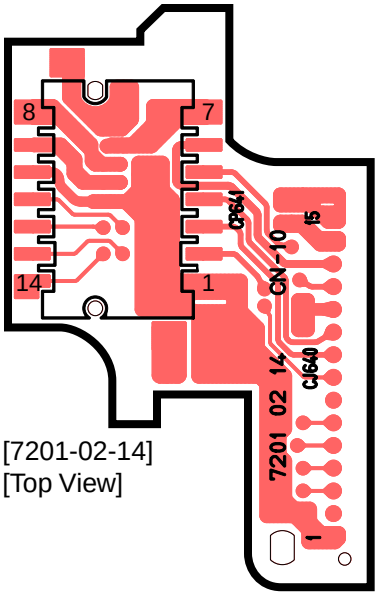

[3032-14-07] [Top View]



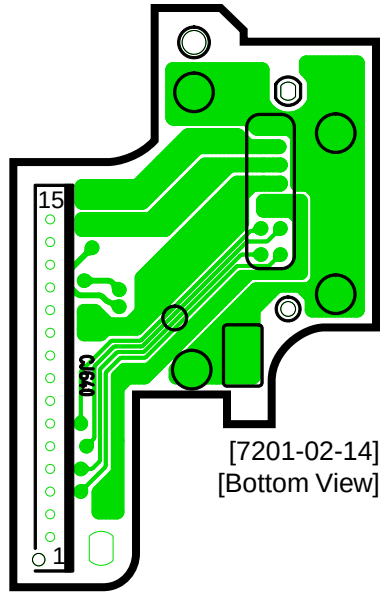

[7201-02-13]
[Top View]



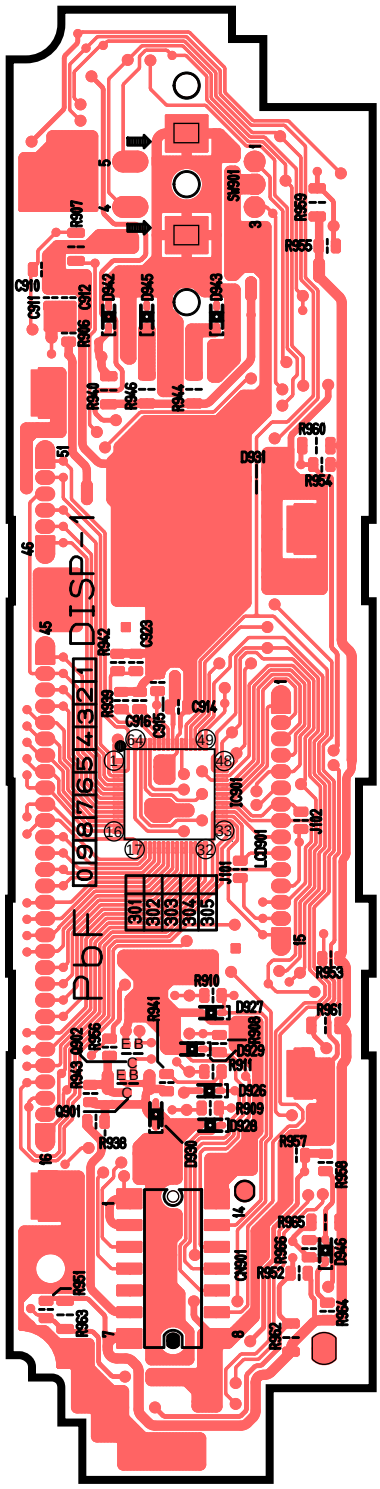

[7201-02-13]
[Bottom View]



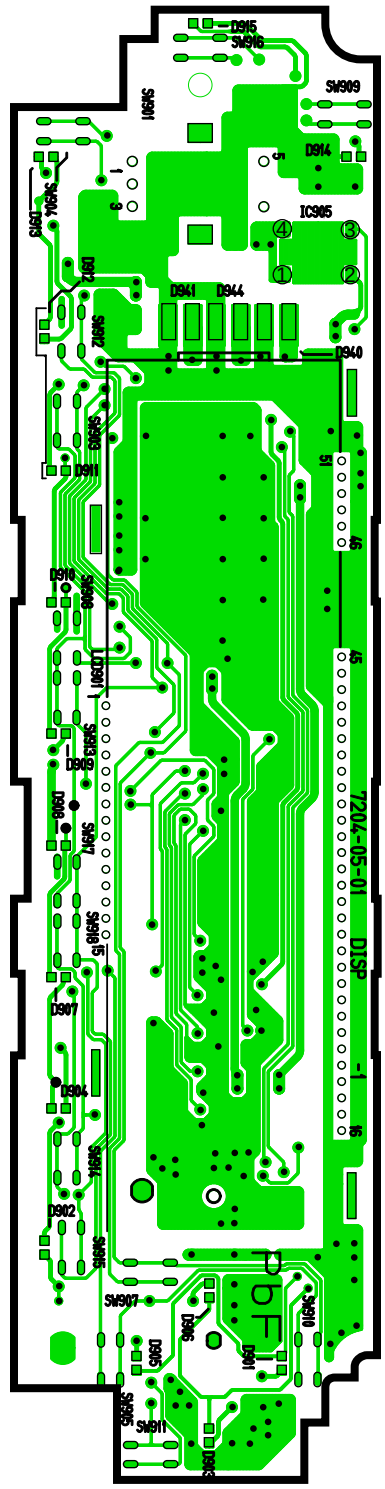

[7201-02-14]
[Top View]



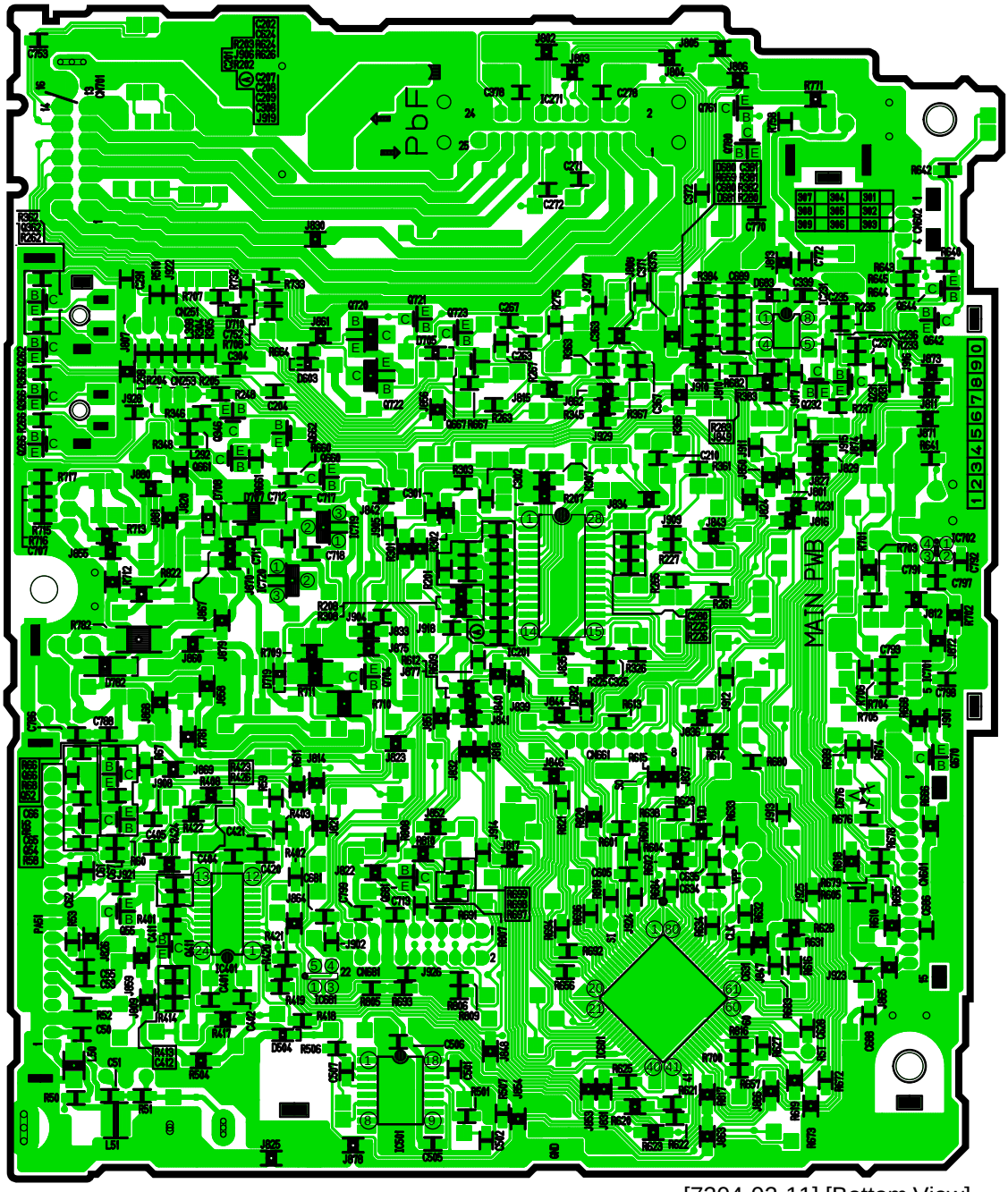

[7201-02-14]
[Bottom View]



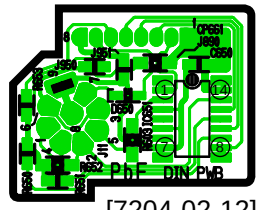

[7204-05-01] [Top View]



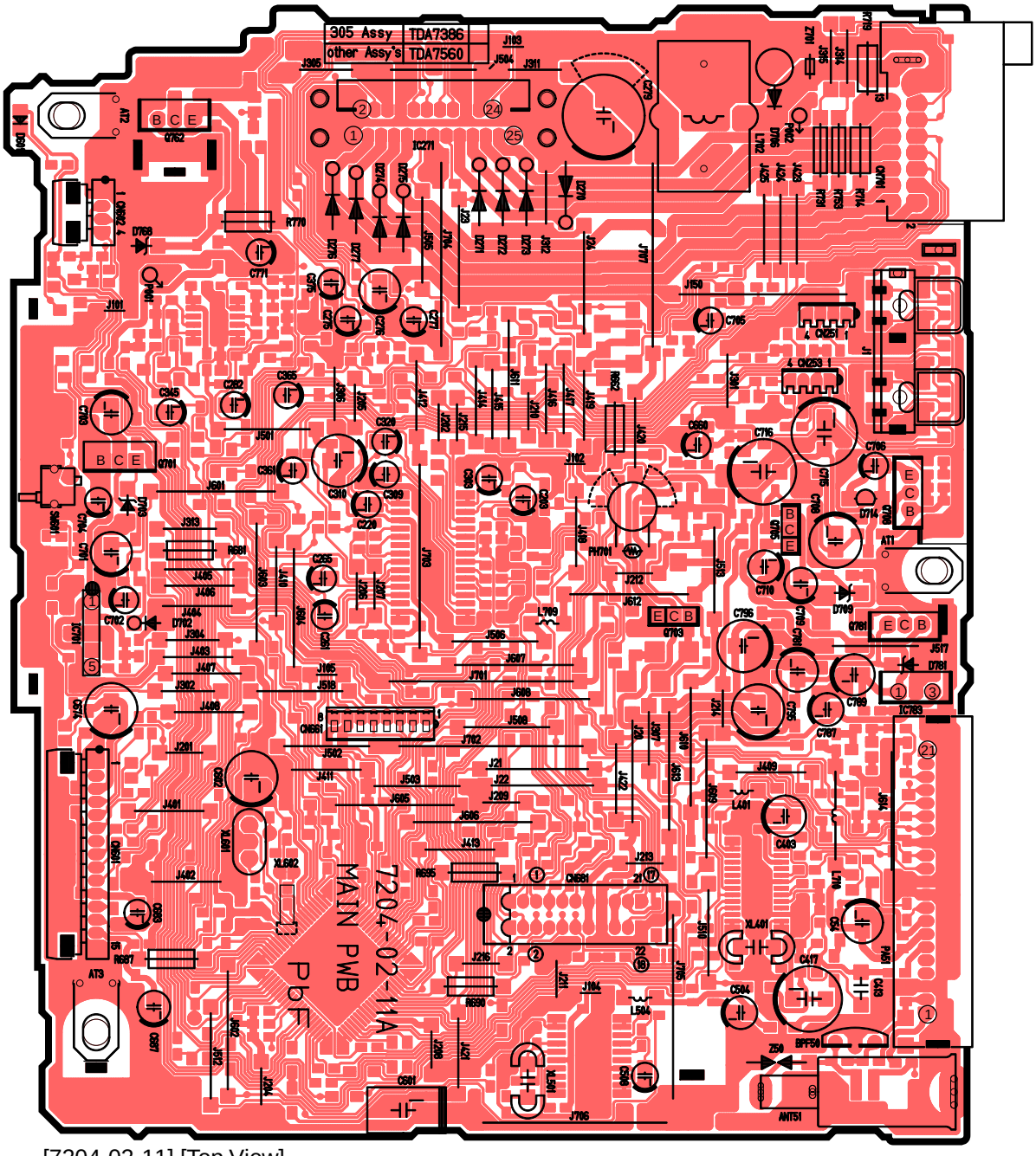

[7204-05-01] [Bottom View]



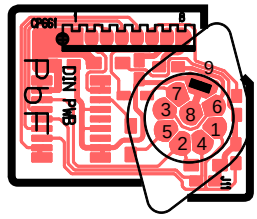

[7204-02-11] [Bottom View]




[7204-02-12]
[Bottom View]




[7204-02-11] [Top View]




[7204-02-12] [Top View]

7204-02-11

PA51 FM/AM TUNER PACK

ANT51 ANT L51 AM ANT FM ANT

AM RF AMP FM RF AMP

AM IN RF AGC FM IN RF AGC Lch Out Rch Out

SW MONO Q52,54

TUNER8V Q55 MODE SW FM/AM

FM/AM OSC IF OUT ST VSM TUNER CONTROL

RADIO Lch Rch

IC201 AUDIO SELECT TONE CONTROL

IC201 AC OUT L AC OUT R AC IN L AC IN R IC201

RADIO L RADIO R CD.C L CD.C R CD L CD R

INPUT MUTLPLEXER GAIN/AUTOZERO MIXING STAGE MIX

LOUDNESS VOLUME SOFT MUTE TREBIE BASS

MONO FADER ×4 MONO FADER ×4 ZERO CROSS

FL FR RL RR SWL SWR SUB W

BEEP DIGITAL CONTROL PC_BUS SCL SDA

CD.C CD

IC271 POWER AMP

FL(+) FL(-) FR(+) FR(-) RL(+) RL(-) RR(+) RR(-)

+B AMP CNT +B ANT CNT CH1/2 ACC BATT AMP CNT AMP MUTE

CN701

CQ-C3200U /C3400U

IC401 PLL

REFERENCE DIVIDER XL401 PHASE DETECTOR CHARGE PUMP Q411 LPF VT9V SWALLOW COUNTER FM OSC

C²B I/F DATA SHIFT REGISTER LATCH UNIVERSAL COUNTER FM IN

CE DI CLK DO MONO FM/AM PLL CONTROL

IC231 AMP Q231,232 SW CQ-C3400U

Q362 MUTE Q262 MUTE Q366 Q266 MUTE Q661 MUTE SW

J1 F.Lch F.Rch R.Lch R.Rch PRE OUT

CN251 CD.C IN L R CD.C L CD.C R

CN681 CD L CD R CD MUTE CD RST CD SCK CD STB CD SI SD SO CD 3.3V CD 3.3V CD 8V CD 8V

CDL CDR Q681 CD CONTROL IC681 BUFFER IC783 +3.3V REG Q781,D781 +8V REG BATT

CD SW2 CD SW1 CD LIMIT CD OSC STP CD LOCK CD RFOK SD AO SD RST SD SCK CD STB CD SI CD SO CD 5V CD 5V CD 8V CD 8V

CN681 CDL CDR CD CONTROL IC783 +5V REG Q781,D781 +8V REG BATT

CD DECK

CQ-C3300U/C3400U CQ-C3100U/C3200U

TUNER CONTROL PLL CONTROL CD CONTROL DISPLY CONTROL

IC601 CPU

BZ OUT SDA SCL AMP CNT AMP MUTE ANT CNT SW CNT LEVEL ACC BATT RESET

AF MUTE ILL CNT MAIN CNT CHANGER CONTROL CH1/2

X1 X2 XL601 XT1 XT2 XL602 PANEL SW601 S LED LCD 5V CNT EJ ILL

Q667 CHANGER SELECT CH1/2

Q720,721 AMP SW +B AMP CNT +B SW AMP CNT

Q722,723 ANT SW +B ANT CNT ANT CNT

IC701 BATT DETECT BATT PLL5V Q660 MUTE CONTROL

IC702 RESET VDD5V AP MUTE

ACC Q660 MUTE SW Q345 MUTE SUB WOOFER CN253 SUB WOOFER

CQ-C3200U /C3400U

Q762,D768 +10V REG Q761,D780 POWER SW BATT ILL10V ILL CNT

IC720 +5V REG Q708,D714 +8V REG PLL5V

Q705 +8V REG TUNER8V AUDIO8V

Q701,D703 +5V REG D702 VDD5V

MAIN CNT IC719 +9V REG Q703,704 POWER SW VT9V +B SW

7204-05-01

LCD901 S3-41 COM1-4 IC901 3-39 44,45 LCD DRIVE 40-43 46-49 50-53 61 62 63 64 DO CE CLK DI

KS3,6 KI1-5 KEY MATRIX SW903-905 907-918 SW901

IC905 REMOCON RECEIVER D901-915 940,941 RM DATA INV 10V D915 SW5V ROT1 ROT2 PANEL BATT5V

CN901

7201-02-14

CP641 C640 LCD DO LCD CE LCD CLK LCD DI RM DATA INV 10V SW 5V ROTARY1 ROTARY2 PANEL CP/CL BATT 5V

CN601 DISPLAY CONTROL S LED D601 Q642 POWER SW VDD5V ILL10V LCD 5V /CNT Q670 POWER SW VDD5V VDD5V EJ ILL Q644 POWER SW VDD5V

CN602

D947,948 SW 610 EJ ECT EJ ILL ILL

7201-02-13 CJ642

7204-02-12

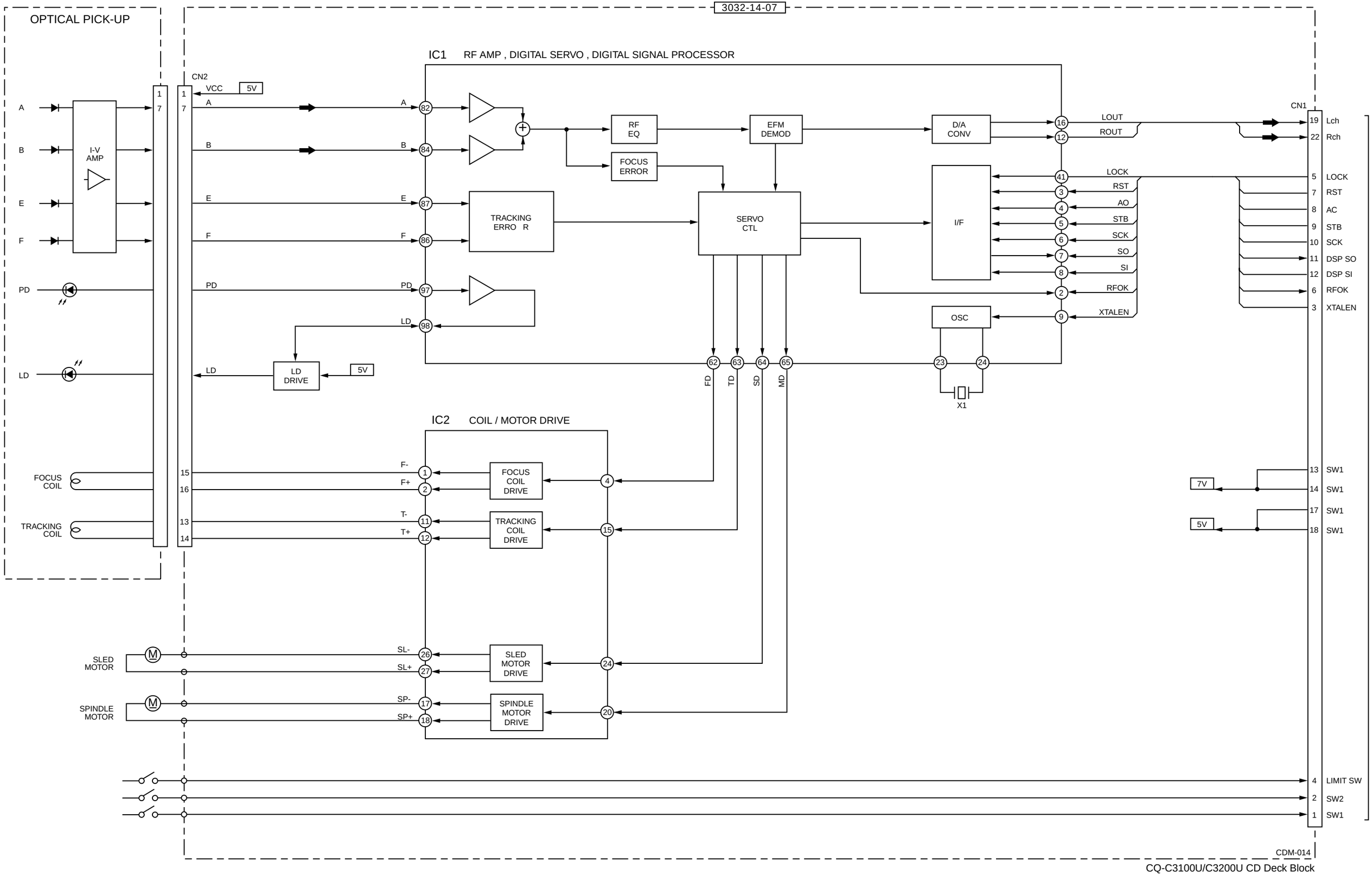
(CP661) CN661 +B PLL 5V CH.SENS CH.REM CH.CLK CH.STB CH.DATA

PLL5V D682 CHANGER CONTROL

J11 3.6 IC651 INVERTER

CQ-C3100U/3200U/3300U/3400U

OPTICAL PICK UP
A
B
E
F
PD
LD
I-V AMP
FOCUS COIL
TRACKIG COIL
SLED MOTOR
SPINDLE MOTOR
CN102
DSP3.3V
IC1
RF AMP,ERROR AMP
RF EQ
GCA/BCA
SUBT
AGC
3TENV
BDO
OFTR
NRF DET
LD DRIVE
Q101
IC203
COIL/MOTER DRIVE
FOCUS COIL DRIVE
TRACKING COIL DRIVE
SLED MOTER DRIVE
SPINDLE MOTER DRIVE
MUTE
REO2
+3.3V REG
Q201
8V
IC201
DSP
ARF
RE ENV
OFT
RF DET
FE
TE
BDO
TBAL
FBAL
LDON
FOD
KICK
TRD
TRV
TVD
ECM
ECS
A/D CONV
INPUT
SERVO TIM. GEN.
SERVO CTL
EFM DEMOD
16K SRAM
ATT
DE-EMPH, OVER-SAMPL
DAC
Lch
Rch
SEL
SUB CODE BUFF
U-COM I/F
VOC
IC204
BUFFER
IC401
CPU
MDATA
MLD
MCLK
SRDATA
LRCK
BCLK
BLKCK
SQCK
SUBQ
M DATA
STAT
CLK ENA
CLK2
BUFF
IC409
X1
X401
X2
RST
IC411
REG
CVDD
3.3V
CN101
8V
3.3V
CD MUTE
CD SCK
CD ON
CD SI
CD SO
CD RST
SW1
SW2
RESET
IC402
FLASH MEMORY
FLASH MEMORY
X DECODE
Y DECODE
ADDRESS BUFFER LATCH
I/O BUFFER LATCH
A0–A18
D0–D15
IC406
WE
OE
LOGIC
DECODER
F/W
MSTRB
CDM-007

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To
7204-02-11
CN681

3032-14-05

CN101

CDRST
CD MUTE
CD ON
CD CLK
CD SO
CD SI
DC8V
DC8V
GND(M)
GND(M)
CD3.3V
Lch
GND(A)
GND
Rch

R137 1k
R138 1k
R139 1k
R140 1k
R141 1k
R142 1k

RESET
MUTE
CDFS
SCK
SO
SI

8V
GND(M)
VDD3.3V
Lch
GND
Rch

L302 0
8V
L403 10u
3.3V
TP153 SYS3.3V
GND
VDD3.3V

System => MP3 DSP
CDFS
SCK
SO
SI
MUTE
RESET

TP106 RCH
TP107 GND(A)
TP108 LCH
GND(A)

C360 10uF/16V
C321 0.1u
R305 220
R315 220

IC204A M5218AFP
IC204B M5218AFP
R304 10K
R314 10K
R329 1k
C359 100uF/16V
Q203 YESAN060

C301 1000p
C302 1000p
C311 1000p
C312 1000p
R302 3.9k
R303 15K
R312 3.9k
R313 15K
C356 22uF/6.3V
C358 22uF/6.3V
R324 100k
R325 100k
R322 10k
R323 10k
R327 10k
R328 10k
C137 1u
C138 1u

SW2
SW1
RESTSW

JP101 SHORT
Analog GND
JP102 OPEN
C121 0.1u
C357 47uF/6.3V
Digital GND

3.3V
R131 2.2k
R136 2.2k
R133 2.2k

/RST
STAT
SUBQ
SQCK
BLKCK
MLD
MDATA
MCLK
DATA_C_M
LRCK_C_M
CLK_C_M

MLD
MDATA
MCLK
/RST
BLKCK
STAT
SQCK
SUBQ
CLK2

MP3 DSP => CD DSP Audio Data
DATA_M_C
LRCK_M_C
CLK_M_C

CD DSP => MP3 DSP Audio Data
DATA_C_M
LRCK_C_M
CLK_C_M

L
R

TP138 TP
C135 0.1u
C154 220uF/10V

R326 100
L301 100u
L303 0

IC201
MN6627482WB

TRV
TVD
PC
ECM
ECS
KICK
TRD
FOD
Vref
FBAL
TBAL
FE
TE
RFENV
VDET
OFT
TRCRS
/RFDET
BDO
LDON

PMCK/PLAY
SMCK
/RST
STAT
DMUTE
SUBQ
SQCK/CDDO
BLKCK
/TLOCK
/FLOCK
SENSE
MLD
MDATA
MCLK
TX
DVss1
DVdd1
SRDATA
LRCK
BCLK

SSEL
MSEL
PSEL
CSEL
RSEL/GIO3
OUTR
AVss1
OUTL
AVdd1
/TEST
IOSEL
RESY/FLAG6
DEMPH
CRC
CLVS
FLAG
IPFLAG
GIO2/FCLK
GIO1/CLDCK
BYTCK/TRVSTP

PLLF2
TOFS
WVEL
ARF
Iref
DRF
DSLF
PLLF
VCOF
AVdd2
AVss2
EFMCK384
PCKDIS1B
VCOF2
SUBC
SBCK
Vss
X1
X2
Vdd

TP154 NRFDET

ARF
TP101 ARF
C122 1000p
R122 56k
R123 120k
C123 0.022u
R121 220k
C124 0.1u
C125 1000p
R125 470
R126 2.7k
C127 1000p
C126 1u
C128 0.22u
C129 0.1u
C130 1000p
R128 220
C131 0.1u
C132 0.1u
C139 0.1u
R127 220k

CN102
Optical Pick-up Ass'y
VCC
F
E
LD
LD G
GND
A
GND
B
Vref
LPD
GND
T-
T+
F-
F+

R116 2.2k
R115 2.2k
PD
NA
R114 0
NB
R117 0
LD

C207 0.1u
SL(-)
SL(+)
RESTSW
GND(M)
SW1
SW2
GND(M)
SP(-)
SP(+)

LN9
LN8
LN7
LN6
LN5
LN4
LN3
LN2
LN1

C253 220uF/10V
C251 220uF/10V
C205 0.1u

IC203 YESAM166
VO1(+)
VO1(-)
VO2(+)
VO2(-)
VO3(-)
VO3(+)
Vcc
VO5(-)
VO5(+)
VO4(-)
VO4(+)
VO0
PVcc12
PVcc45
VIN3
VIN2
VIN1
MUTE2
MUTE1
BIAS
RVcc
VIN4
VIN5
RGND
REI1
REO1
REI2
REO2

SP(-)
SP(+)
SL(-)
SL(+)
T-
T+
F+
F-

YESAM166
CH1 Spindle Motor
CH2 Feed Motor
CH3 Loading Motor (Not use)
CH4 Focus Coil
CH5 Tracking Coil

R202 0
R201 6.8k
TVD
TP149 TVD
TP150 ECS
R205 0
R204 1k
ECS
R206 18k
ECM
TP155 ECM

TP157 GND(M)
TP156 KICK
R129 6.8k
KICK
R208 0
R207 5.1k
TRD
TP151 TRD
C203 3300p
C204 3300p
R209
FOD
R210 0 5.1k
TP152 FOD

C252 47uF/6.3V
R211 27k
R212 47k
C208 22p
Q201 B1BDBC000001
3.3V
TP118 DSP3.3V
C141 0.1u
TP158 3.3V(D)
L304 0

Q101 B1BDBC000001
TP159 3.3V(A)
R101 4.7
L305 0
C151 10uF/16V

TP111 RFO
TP112 RFIN
IC202 YESAM163
PD
LD
VCC
RFN
RFOUT
RFIN
CAGC
ARF
CEA
3TOUT
CBDO
BDO
COFTR
OFTR
NRFDET
GND
TBAL
FBAL
GCTL
FEOUT
FEN
TEN
TEOUT
TEBPF
VDET
Vref
A
C
B
D
F
E
NB
NA
F
E

R104 470
R105 2.7k
R103 1.5k
C102 0.1u
C101 220p
C104 0.047u
C105 4700p
C106 1000p
NRFDET
C107 0.047u
R143 2M
C108 330p
C109 0.1u
C152 22uF/6.3V
C140 0.1u
C103 0.1u
C153 22uF/6.3V
C110 0.1u
R118 15k
TP103 GND
Vref
3.3V

R113 120k
R112 240k
TP116 FBAL
TP115 TBAL
R111 18k
TP105 FE
TP104 TE
R110 10k
C114 1000p
C113 1500p
C112 2200p
R109 150k
R108 390k
C111 0.022u
C136 0.1u
R130 1M
R120 0
C116 0.1u
C115 0.1u
TP102 Vref
R107 2.7k
TP113 GCTR
R106 10k

RFENV
OFTR
NRFDET
BDO

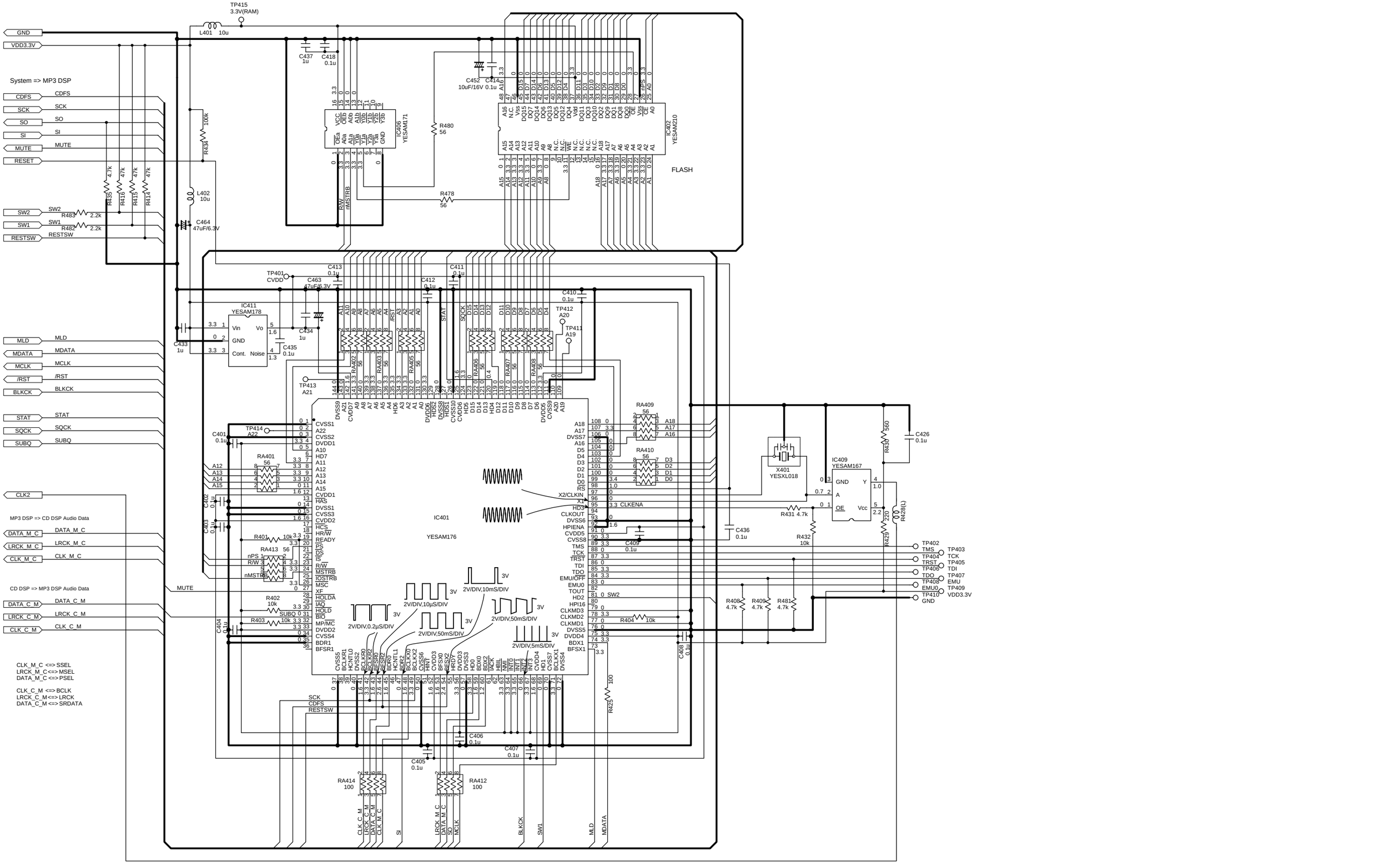
The following symbols are shown on the schematic diagram.

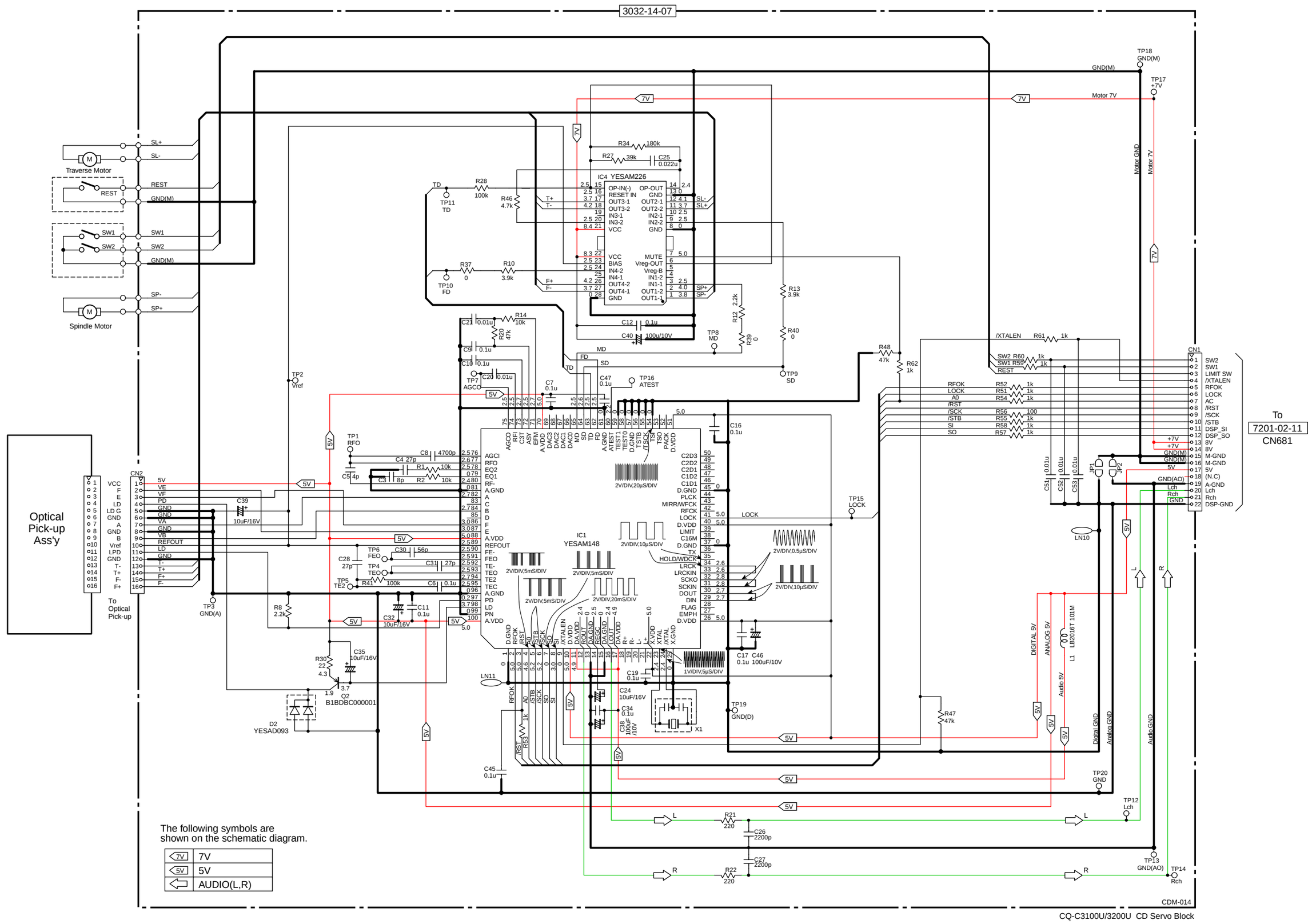
| | |
|---|---|
| 8V | 8V |
| 3.3V | 3.3V |
| | AUDIO(L,R) |

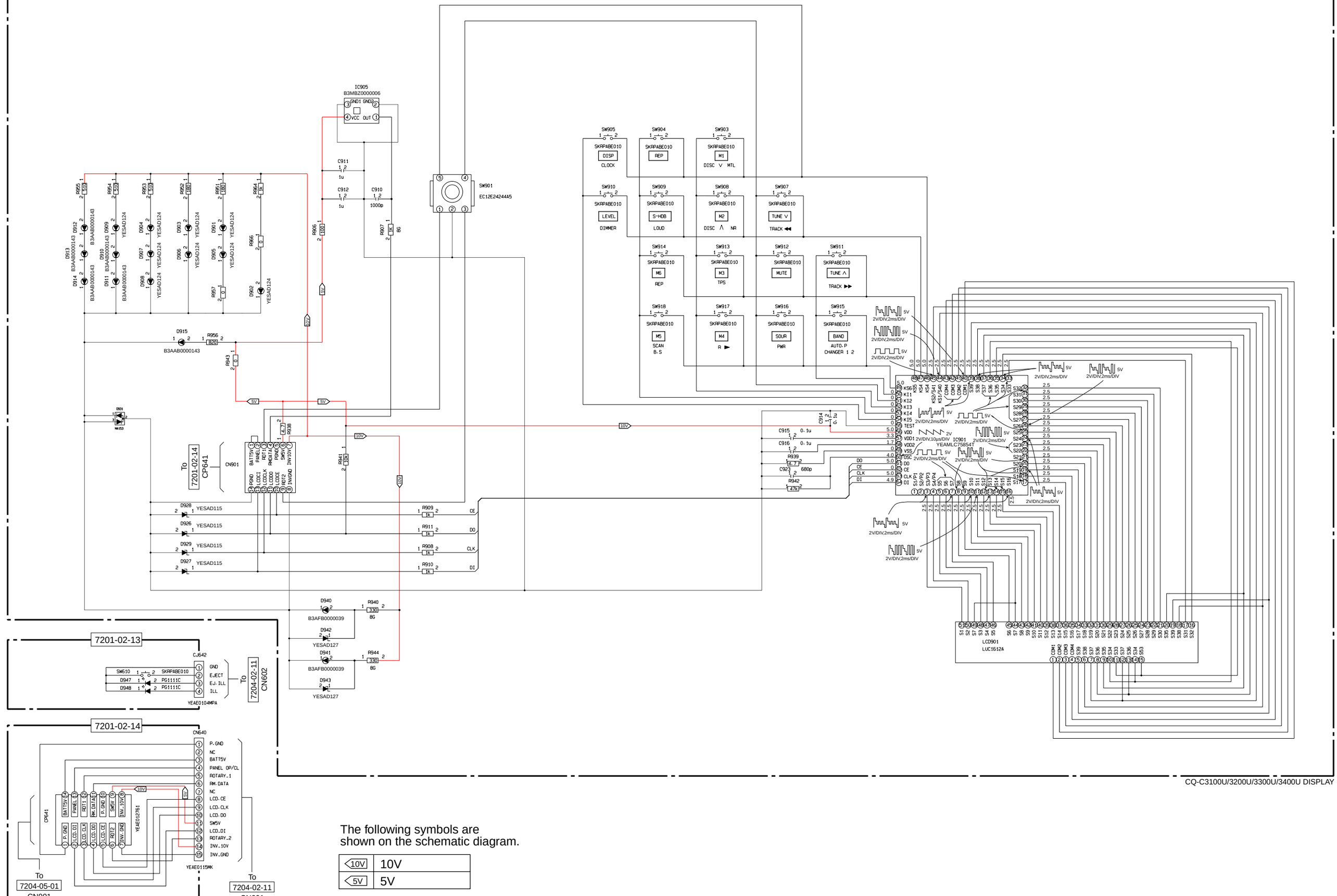
CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL

CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA

CDM-007(MP3)


TP415
3.3V(RAM)
L401 10u
GND
VDD3.3V
C437 1u
C418 0.1u
C452 10uF/16V
C414 0.1u
System => MP3 DSP
CDFS
SCK
SO
SI
MUTE
RESET
R434 100k
R435 4.7k
R415 47k
R415 47k
R414 47k
L402 10u
C464 47uF/6.3V
SW2
R483 2.2k
SW1
R482 2.2k
RESTSW
IC406
YESAM171
R480 56
R478 56
IC402
YESAM210
FLASH
TP401
CVDD
C463 47uF/6.3V
C413 0.1u
C412 0.1u
C411 0.1u
C410 0.1u
IC411
YESAM178
Vin
Vo
GND
Cont.
Noise
C433 1u
C434 1u
C435 0.1u
TP412
A20
TP411
A19
TP413
A21
TP414
A22
C401 0.1u
C402 0.1u
C403 0.1u
C404 0.1u
RA401 56
RA413 56
R401 10k
R402 10k
R403 10k
SUBQ
MUTE
MLD
MDATA
MCLK
/RST
BLKCK
STAT
SQCK
SUBQ
CLK2
MP3 DSP => CD DSP Audio Data
DATA_M_C
LRCK_M_C
CLK_M_C
CD DSP => MP3 DSP Audio Data
DATA_C_M
LRCK_C_M
CLK_C_M
IC401
YESAM176
X2/CLKIN
X1
HD3
CLKOUT
DVSS6
HPIENA
CVDD5
CVSS8
TMS
TCK
TRST
TDI
TDO
EMU/OFF
EMU0
TOUT
HD2
HPI16
CLKMD3
CLKMD2
CLKMD1
DVSS5
DVDD4
BDX1
BFSX1
CVSS1
A22
CVSS2
DVDD1
A10
HD7
A11
A12
A13
A14
A15
CVDD1
HAS
DVSS1
CVSS3
CVDD2
HCS
HR/W
READY
PS
DS
IS
R/W
MSTRB
IOSTRB
MSC
XF
HOLDA
IAQ
HOLD
BIO
MP/MC
DVDD2
CVSS4
BDR1
BFSR1
RA409 56
RA410 56
X401
YESXL018
IC409
YESAM167
R431 4.7k
R432 10k
R430 560
R429 220
R428(L)
C426 0.1u
C436 0.1u
C409 0.1u
R408 4.7k
R409 4.7k
R481 4.7k
R404 10k
C408 0.1u
TP402
TMS
TP403
TCK
TP404
TRST
TP405
TDI
TP406
TDO
TP407
EMU
TP408
EMU0
TP409
VDD3.3V
TP410
GND
2V/DIV,0.2µS/DIV
2V/DIV,10µS/DIV
2V/DIV,50mS/DIV
2V/DIV,10mS/DIV
2V/DIV,5mS/DIV
3V
SCK
CDFS
RESTSW
C405 0.1u
C406 0.1u
C407 0.1u
RA414 100
RA412 100
R425 100
CLK_C_M
LRCK_C_M
DATA_C_M
CLK_M_C
SI
LRCK_M_C
DATA_M_C
SO
MCLK
BLKCK
SW1
MLD
MDATA
CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL
CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA


3032-14-07
Optical Pick-up Ass'y
To Optical Pick-up
Traverse Motor
Spindle Motor
IC4 YESAM226
IC1 YESAM148
To 7201-02-11 CN681
The following symbols are shown on the schematic diagram.
7V
5V
AUDIO(L,R)
CDM-014
CQ-C3100U/3200U CD Servo Block




7201-02-13

7201-02-14

CQ-C3100U/3200U/3300U/3400U DISPLAY

The following symbols are shown on the schematic diagram.

| | |
|---|---|
| 10V | 10V |
| 5V | 5V |

7204-02-11

7204-02-12

To 7204-02-11 CN661

To 7204-02-12 (CP661)

To 3032-14-07 CN1

To 7201-02-13 CJ642

To 7201-02-14 CN640

CQ-C3200U ONLY

## PA51

| | FM | AM |
|---|---|---|
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | | |
| 5 | | |
| 6 | 1.3 | 1.7 |
| 7 | 7.9 | 7.9 |
| 8 | 7.8 | 0 |
| 9 | 2.3 | 2.3 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 3.6 | 3.7 |
| 13 | 3.6 | 3.6 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0.4 | 0 |
| 17 | 4.9 | 4.9 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | | |
| 21 | | |

## IC601

| | FM | AM | CD | | FM | AM | CD |
|---|---|---|---|---|---|---|---|
| 1 | 4.9 | 4.9 | 4.9 | 41 | 0 | 0 | 0 |
| 2 | 4.9 | 4.9 | 4.9 | 42 | 5.0 | 5.0 | 5.0 |
| 3 | 5.2 | 5.2 | 5.2 | 43 | 5.2 | 5.2 | 5.2 |
| 4 | 0 | 0 | 0 | 44 | 0 | 0 | 0 |
| 5 | 5.0 | 5.0 | 5.0 | 45 | 5.2 | 5.2 | 5.2 |
| 6 | 5.2 | 5.2 | 5.2 | 46 | 0 | 0 | 0 |
| 7 | 5.2 | 5.2 | 5.2 | 47 | 5.1 | 5.1 | 5.1 |
| 8 | 5.1 | 5.1 | 5.1 | 48 | 0 | 0 | 0 |
| 9 | 5.1 | 5.1 | 5.1 | 49 | | | |
| 10 | 5.1 | 5.1 | 5.1 | 50 | | | |
| 11 | 0 | 0 | 0 | 51 | 0 | 0 | 0 |
| 12 | 5.2 | 5.2 | 0 | 52 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 53 | 0 | 0 | 0 |
| 14 | 5.2 | 5.2 | 5.2 | 54 | 5.2 | 5.2 | 5.2 |
| 15 | 0 | 0 | 0 | 55 | 5.1 | 5.2 | 5.1 |
| 16 | 4.9 | 4.9 | 0 | 56 | 0 | 0 | 0 |
| 17 | 0 | 0 | 3.3 | 57 | 5.1 | 5.1 | 5.1 |
| 18 | 5.2 | 5.2 | 5.1 | 58 | | | |
| 19 | 0 | 0 | 0 | 59 | 0 | 0 | 0 |
| 20 | 0 | 0 | 5.2 | 60 | 5.2 | 5.2 | 5.2 |
| 21 | 5.1 | 5.1 | 5.1 | 61 | 5.0 | 5.0 | 5.0 |
| 22 | 5.1 | 5.1 | 0 | 62 | 5.1 | 5.1 | 5.1 |
| 23 | 5.2 | 5.2 | 5.2 | 63 | 0 | 0 | 0 |
| 24 | 0 | 0 | 5.2 | 64 | 0 | 0 | 0 |
| 25 | 0 | 0 | 4.6 | 65 | 5.1 | 5.1 | 5.1 |
| 26 | 0 | 0 | 4.9 | 66 | 5.1 | 5.1 | 5.1 |
| 27 | 0 | 0 | 4.9 | 67 | 0 | 0 | 0 |
| 28 | 0 | 0 | 5.2 | 68 | 5.2 | 5.2 | 5.2 |
| 29 | 5.2 | 5.2 | 5.1 | 69 | 3.1 | 3.1 | 3.1 |
| 30 | 5.2 | 5.2 | 0 | 70 | 2.5 | 2.5 | 2.5 |
| 31 | | | | 71 | 0 | 0 | 0 |
| 32 | | | | 72 | 2.9 | 2.9 | 2.9 |
| 33 | 0 | 0 | 0 | 73 | 2.6 | 2.6 | 2.6 |
| 34 | | | | 74 | 5.2 | 5.2 | 5.2 |
| 35 | | | | 75 | 5.2 | 5.2 | 5.2 |
| 36 | 5.2 | 5.2 | 5.2 | 76 | 0.2 | 0 | 0.5 |
| 37 | 5.2 | 5.2 | 5.2 | 77 | 4.8 | 4.8 | 4.8 |
| 38 | 0 | 0 | 0 | 78 | 0 | 0 | 0 |
| 39 | 5.2 | 5.2 | 5.2 | 79 | 0 | 0 | 0.5 |
| 40 | | | | 80 | 0 | 0 | 0.5 |

| | R629 | R604 |
|---|---|---|
| C3100U | 82k | 47k |
| C3200U | OPEN | 47k |

The following symbols are shown on the schematic diagram.

| | |
|---|---|
| | +B |
| 10V | 10V |
| 8V | 8V |
| 5V | 5V |
| | ACC |
| | RADIO(L,R) |
| | CD(L,R) |
| | AUDIO(L,R) |

CQ-C3100U/3200U MAIN

PA51 C5BA00000109

PA51

| | FM | AM |
|---|---|---|
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | | |
| 5 | | |
| 6 | 1.3 | 1.7 |
| 7 | 7.9 | 7.9 |
| 8 | 7.8 | 0 |
| 9 | 2.3 | 2.3 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 3.6 | 3.7 |
| 13 | 3.6 | 3.6 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0.4 | 0 |
| 17 | 4.9 | 4.9 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | | |
| 21 | | |

IC601

| | FM | AM | CD | | FM | AM | CD |
|---|---|---|---|---|---|---|---|
| 1 | 4.9 | 4.9 | 4.9 | 61 | 0 | 0 | 0 |
| 2 | 4.9 | 4.9 | 4.9 | 62 | 5.0 | 5.0 | 5.0 |
| 3 | 5.2 | 5.2 | 5.2 | 63 | 5.2 | 5.2 | 5.2 |
| 4 | 0 | 0 | 0 | 44 | 0 | 0 | 0 |
| 5 | 5.0 | 5.0 | 5.0 | 45 | 5.2 | 5.2 | 5.2 |
| 6 | 5.2 | 5.2 | 5.2 | 46 | 0 | 0 | 0 |
| 7 | 5.2 | 5.2 | 5.2 | 47 | 5.1 | 5.1 | 5.1 |
| 8 | 5.1 | 5.1 | 5.1 | 48 | 0 | 0 | 0 |
| 9 | 5.1 | 5.1 | 5.1 | 49 | | | |
| 10 | 5.1 | 5.1 | 5.1 | 50 | | | |
| 11 | 0 | 0 | 0 | 51 | 0 | 0 | 0 |
| 12 | 5.2 | 5.2 | 0 | 52 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 53 | 0 | 0 | 0 |
| 14 | 5.2 | 5.2 | 5.2 | 54 | 5.2 | 5.2 | 5.2 |
| 15 | 0 | 0 | 0 | 55 | 5.1 | 5.2 | 5.1 |
| 16 | 4.9 | 4.9 | 0 | 56 | 0 | 0 | 0 |
| 17 | 0 | 0 | 3.3 | 57 | 5.1 | 5.1 | 5.1 |
| 18 | 5.2 | 5.2 | 5.1 | 58 | | | |
| 19 | 0 | 0 | 0 | 59 | 0 | 0 | 0 |
| 20 | 0 | 0 | 5.2 | 60 | 5.2 | 5.2 | 5.2 |
| 21 | 5.1 | 5.1 | 5.1 | 61 | 5.0 | 5.0 | 5.0 |
| 22 | 5.1 | 5.1 | 0 | 62 | 5.1 | 5.1 | 5.1 |
| 23 | 5.2 | 5.2 | 5.2 | 63 | 0 | 0 | 0 |
| 24 | 0 | 0 | 5.2 | 64 | 0 | 0 | 0 |
| 25 | 0 | 0 | 4.6 | 65 | 5.1 | 5.1 | 5.1 |
| 26 | 0 | 0 | 4.9 | 66 | 5.1 | 5.1 | 5.1 |
| 27 | 0 | 0 | 4.9 | 67 | 0 | 0 | 0 |
| 28 | 0 | 0 | 5.2 | 68 | 5.2 | 5.2 | 5.2 |
| 29 | 0 | 0 | 0 | 69 | 3.1 | 3.1 | 3.1 |
| 30 | 5.2 | 5.2 | 0 | 70 | 2.5 | 2.5 | 2.5 |
| 31 | | | | 71 | 0 | 0 | 0 |
| 32 | | | | 72 | 2.9 | 2.9 | 2.9 |
| 33 | 0 | 0 | 0 | 73 | 2.6 | 2.6 | 2.6 |
| 34 | | | | 74 | 5.2 | 5.2 | 5.2 |
| 35 | | | | 75 | 5.2 | 5.2 | 5.2 |
| 36 | 5.2 | 5.2 | 5.2 | 76 | 0.2 | 0 | 0.5 |
| 37 | 5.2 | 5.2 | 5.2 | 77 | 4.8 | 4.8 | 4.8 |
| 38 | 0 | 0 | 0 | 78 | 0 | 0 | 0 |
| 39 | 5.2 | 5.2 | 5.2 | 79 | 0 | 0 | 0 |
| 40 | | | | 80 | 0 | 0 | 0.5 |

| | R629 | R604 |
|---|---|---|
| C3300U | 82k | 47k |
| C3400U | OPEN | 47k |

CQ-C3400U ONLY

CQ-C3400U ONLY

The following symbols are shown on the schematic diagram.

| | |
|---|---|
| +B | |
| 10V | 10V |
| 8V | 8V |
| 5V | 5V |
| 3.3V | 3.3V |
| ACC | ACC |
| RADIO(L,R) | RADIO(L,R) |
| CD(L,R) | CD(L,R) |
| AUDIO(L,R) | AUDIO(L,R) |

To 7204-02-12 (CP661)

To 3032-14-05 CN101

To 7201-02-13 CJ642

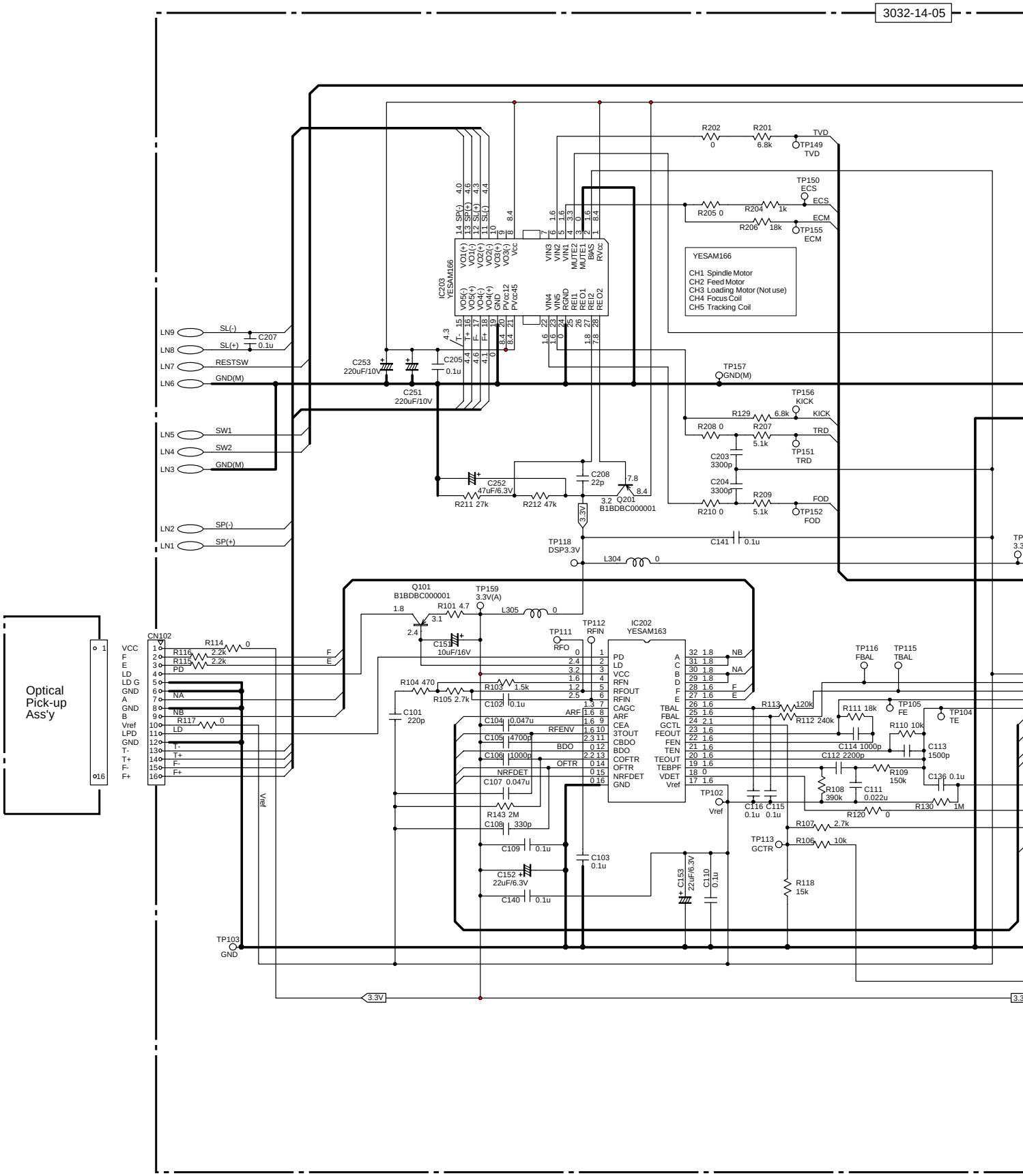
To 7201-02-14 CN640

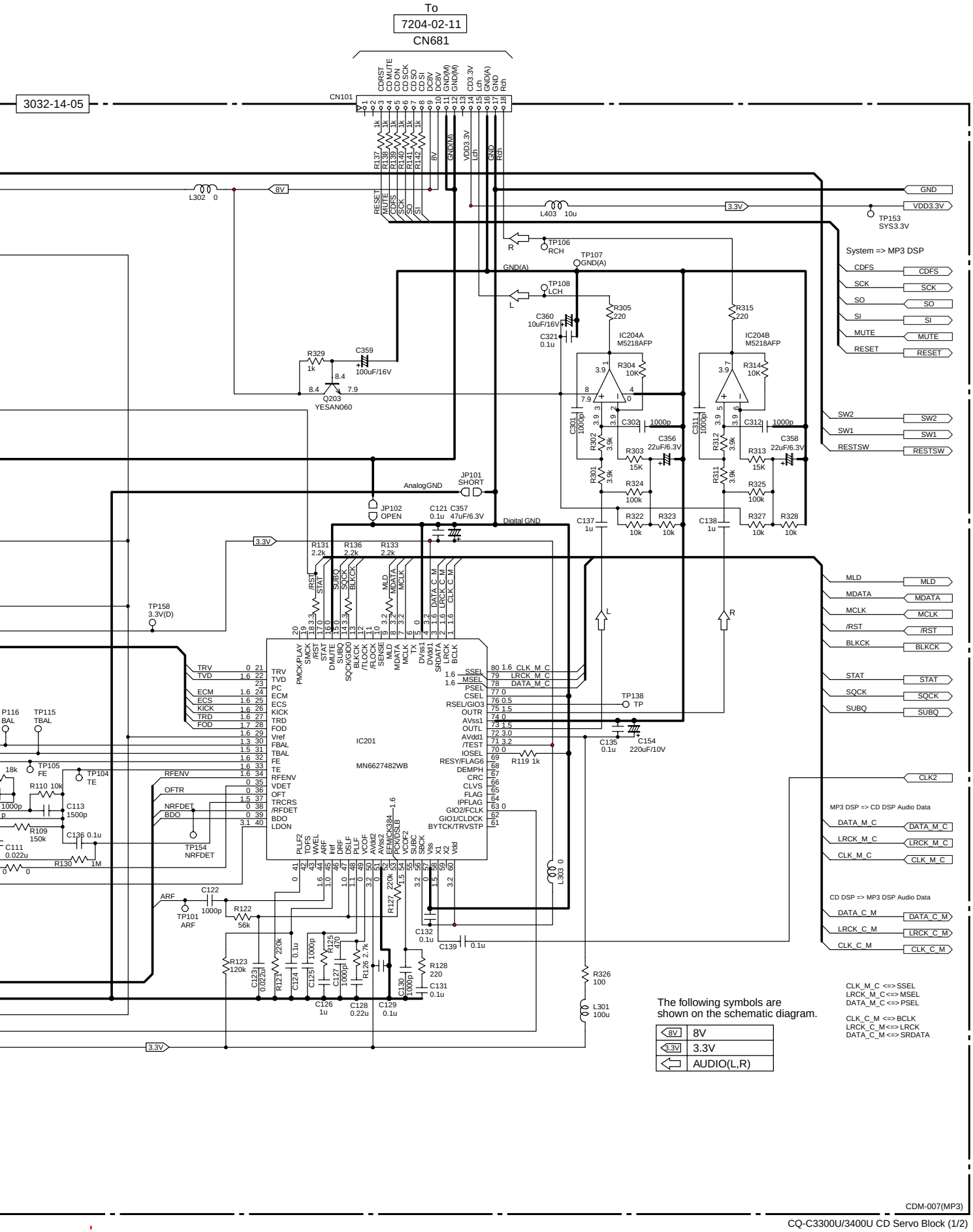
7204-02-12

To 7204-02-11 CN661

# 21.4. CD Servo Block [CQ-C3300U/CQ-C3400U] -1

3032-14-05






CQ-C3300U/3400U CD Servo Block (1/2)